

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, JANUARY 7, 1865. [No. 232.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, January 7th, 1,450 new cases of disease were observed among the patients connected with the various Charitable Institutions and Poor Law Unions.

Among the zymotic diseases Small-pox unfortunately proved very prevalent. The number of new cases amounted to 23, or 8 more than in our preceding return. The disorder appeared to be pretty generally scattered over the town. Among the patients of the Manchester Poor Law Districts 4 cases were observed, at the Workhouse 2, and at the Royal Infirmary 3.

Of 19 cases of Measles 12 were met with among the Manchester paupers. No case is reported from Salford.

The seizures from Scarlet Fever fell from 17 to 7.

Fever still continues very general; and, under some of its more dreaded forms, is widely scattered over the town. Thus, of 63 cases of this disease, 14 are especially referred to as examples of Typhus. Four were patients of Mr. Broadbent, in the St. Andrew's District, and 2 of Dr. Braddon; all of which were ordered to be removed to the Hospital.

The number of sick paupers attended by the Union Medical Officers last week fell far short of that recorded in our return for the corresponding week of last year. Thus, in the Manchester Poor Law Districts, the number in '64 was 352, this year 198. In those of Salford at that time 71, now 43. In Hulme then 104 now 53.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 258 deaths were registered in the eleven districts from which we receive our returns. In the corresponding week of last year there were 318.

Continued Fever and Measles proved the most fatal of the zymotic diseases, the former contributing 17 deaths and the latter 13.

In the Market Street District, a district containing the Royal Infirmary and Workhouse, the deaths of 6 persons from Typhus Fever were registered.

There were 7 fatal cases of Scarlet Fever; in the corresponding week of last year there were 40.

According to the return of the Registrar General the deaths in London exceeded the average by 102. In the borough of Liverpool, with a population of 443,938, the deaths very greatly exceeded those in Manchester and Salford, they there reached the formidable total of 442.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 36·7°, at the Royal Infirmary it was 37·9°, at Eccles 37·2°, and at Old Trafford 37·1°.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, Pall Mall, Manchester.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. *New Cases of Disease coming under Treatment*

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								,, ,, 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN	
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	*2	1	1	..	..	..	4	2	3	..	..	1	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..
Measles	1	..	1	2	2	6	12	..	..	..	..	4	5	..	..
Scarlatina .....	..	..	1	..	..	..	1	..	..	..	1	2	3	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	1	2	2	5	..	..	..	..	..	..	..	1
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	2	..	..	4	1	7	..	..	..	..	..	..	2	7
Dysentery	1	..	1	..	..	..	2	..	..	..	..	..	..	..	..
Continued Fever.....	4	+4	1	+2	..	2	13	15	+5	..	1	2	3	5	..
Erysipelas	2	..	..	..	..	..	2	..	..	1	..	1	..	..	..
Rheumatism	3	2	..	..	3	1	9	13	..	23	3	5	9	3	2
Neuralgic Affections .....	..	..	..	..	..	..	..	..	1	7	..	..	..	..	3
Constitutional Syphilis .....	..	..	..	..	..	..	..	10	..	7	..	..	..	..	1
Phthisis	1	1	1	1	2	..	6	4	1	32	2	5	4	1	2
Insanity	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	14	6	6	5	13	49	16	..	42	6	6	6	4	10
Pleurisy and Pneumonia....	1	..	..	..	1	1	3	1	..	3	1	2	2	..	2
Skin Diseases.....	1	1	1	4	..	..	7	16	..	16	..	..	..	4	13
Dyspepsia .....	..	..	..	..	..	1	1	..	..	38	..	..	..	2	5
Accidents and diseases not classified.....	24	6	15	11	6	14	76	57	35	154	2	..	5	29	8
TOTAL	46	31	28	27	25	41	198	135	45	323	16	20	37	50	54

* Removed to Hospital.

+ Typhus, removed to Hospital.

+ 4 Typhus and 1 Typhoid.

Medical Officers to whom the Association

- 1) Mr. R. M. MANN.
- 2) ,, J. BROADBENT,
- 3) ,, EDWARD MEACHAM
- 4) Dr. BRADDON,

- (5) Dr. JOHN MEDD,
- (6) ,, LEDWARD,
- (7) Mr. A. PHILIPPS,
- (8) Dr. GEORGE REED,

- (9) Mr. W. H. SUTCLIFFE,
- (10) ,, WILLIAM G. ROGERS,
- (11) ,, THOMAS LEEDS,
- (12)

- (13) Mr. H. RUNNELL,
- (14) Dr. WHITEHEAD,
- (15) Mr. W. GOLD,
- (16) ,, J. TEAL.

SANITARY ASSOCIATION.

REPORTS OF THE SANITARY ASSOCIATION OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 7th day of January, 1865.

SALFORD.					HULME.			CHORLTON.		ARD-WICK.		PENDLETON AND PENDLEBURY.			Area in Statute Acres. Population in 1861.		DEATHS.	
..... 1,329 .....					..... 477 .....			... 646 ...		508.		..... 2650 .....			..... 24,448			
..... 70,967 .....					... 68,209 ...			... 44,850 ...		21739								
DOOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS													DISEASES.
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.				
6	17	18	19	20	21	22	23	24	25	26	27	28						
2	..	1	..	..	2	..	2	..	1	4	..	1	23	6			Small-pox	1
..	..	..	..	..	..	..	1	..	..	..	..	3	6	1			Chicken-pox .....	..
..	..	..	..	..	1	..	..	..	..	..	1	..	23	13			Measles	1
..	..	..	..	..	..	..	..	..	..	..	..	..	7	39			Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			Diphtheria .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	6	14			Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			Croup .....	..
..	..	..	3	3	..	..	1	..	1	1	..	1	26	31			Diarrhoea .....	..
..	..	..	..	..	..	..	..	..	..	..	..	2	4	7			Dysentery .....	..
1	..	2	7	..	..	..	3	..	..	1	1	3	63	38			Continued Fever	6
..	1	..	2	..	..	..	..	..	..	..	..	1	8	24			Erysipelas	2
..	2	1	..	..	2	2	1	2	4	1	2	4	90	102			Rheumatism .....	..
..	..	..	4	..	..	..	..	..	..	..	..	..	15	32			Neuralgic Affections ..	1
..	..	..	6	..	1	..	..	..	..	..	..	5	30	43			Constitutional Syphilis	..
1	..	..	9	..	..	..	..	1	..	2	2	6	78	54			Phthisis	6
..	..	1	..	..	..	..	..	..	..	..	..	7	10	14			Insanity	1
6	3	3	37	4	4	5	5	13	12	3	14	13	273	391			Bronchitis, Influenza, and Catarrh	10
..	1	..	1	..	1	..	..	1	2	..	1	..	21	17			Pleurisy & Pneumonia.	1
1	1	3	8	..	..	..	..	..	3	1	..	16	89	70			Skin Disease.....	1
..	1	..	13	..	1	5	1	..	1	..	2	1	71	75			Dyspepsia .....	..
3	7	5	66	1	8	4	3	11	30	4	36	57	607	764			Accidents and diseases not classified	26
7	16	16	156	8	20	16	17	28	54	17	59	120	1450	1736			TOTAL.....	63

‡ Typhus.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOT
(27) „ JOHN HOLDEN,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowel.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	a1	..	..	1	..	..	..	..	..	..	2	3
Measles.....	4	1	1	..	1	1	1	1	1	1	1	13	1
Whooping-cough.....	..	..	2	..	..	..	1	..	..	..	..	3	10
Scarlatina.....	1	1	1	..	..	1	1	..	..	1	1	7	40
Diarrhœa.....	..	2	..	..	2	1	..	..	1	..	..	6	4
Fever.....	1	..	c7	..	d3	1	2	..	f2	..	1	17	10
Diseases of the Lungs ..	12	9	5	9	1	15	5	..	10	15	4	85	107
Other causes.....	16	ð12	13	4	16	b7	e17	7	9	14	5	125	143
TOTAL NO. OF DEATHS.	34	26	34	13	24	26	27	8	23	31	12	258	318
TOTAL NO. OF BIRTHS.	35	47	7	13	16	27	23	7	26	27	17	250	302

a Not vaccinated. b 2 Inquests. c 6 Typhus. d 2 Typhoid. e 7 Inquests.
f i Typhus and 1 Rheumatic.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 29th Oct.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	TOTAL.	DISEASE.	4 Weeks ending 29th Oct.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	TOTAL
5	4	5	14	.....Small-pox.....	43	94	109	246
11	21	9	41	..... Chicken-pox	8	6	9	23
64	115	123	307	..... Measles	64	63	95	222
50	53	48	151	.....Scarlatina.....	73	74	59	206
1	2	7	10	..... Diphtheria .....	..	..	..	..
58	56	75	189	.... Whooping-cough	13	23	34	75
3	2	6	11	.....Croup.....	..	4	4	8
423	443	355	1226	.....Diarrhœa.....	167	117	127	411
5	4	3	12	.....Dysentery.....	12	9	12	33
1	..	..	1	..... Cholera .....	..	..	..	..
13	26	21	65	.....Erysipelas.....	37	39	29	105
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
..	12	23	45	..... Insanity	52	26	31	109
741	1048	1294	3083	..Bronchitis and Catarrh..	738	987	1240	2965
10	10	18	38	..... Pleurisy	75	92	107	274
31	23	32	86	..... Pneumonia				
1	4	4	9	.....Carbuncle.....	..	..	..	..
3867	3378	3795	11040	{ Accidents, and all other Diseases. }	4195	4413	5369	13977
5304	5201	5823	16328	..... TOTAL	5477	5952	7225	18654

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN DECEMBER :				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERRETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castl- ton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Royton	2.860	.....	17						
Castleton Moor	2.618	.....	13						
Eccles.....	2.006	.....	17						
Old Trafford..	1.970	.....	17						
Penketh	1.814	.....	17						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.878	29.869	29.876	29.867	29.867	29.856
Highest.....		Unreduced {	.....	30.194	30.204	30.176	29.755	30.288	29.788
Lowest.....				29.200	29.216	29.226	28.800	29.340	28.862
Range				0.994	0.988	0.950	0.955	0.948	0.926
Temperature.									
Adopted Mean				37.9	37.1	37.2	36.1	36.9	35.6
Range for Week				19.9	24.5	25.1	25.0	27.6	22.7
Daily Range				7.5	11.9	10.9	13.1	11.9	9.5
Maximum in Shade				49.3	43.5	49.9	47.0	49.6	46.5
Minimum in Shade				29.4	24.0	24.8	22.0	22.0	24.0
Temperature of Dew Point				34.0	33.2	32.4	33.1	32.9	31.1
Hygrometrical condition of the Atmosphere				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.854	0.863	0.832	0.876	0.854	0.800
Prevailing Winds					SW,S	S,W	NW,SW	NW,SW	SSW,NW
Rain					0.706	0.709	0.915	0.631	0.862
Ozonometer.									
Moffat					0.43	0.43	0.00	.....	0.00
Schonbein					0.28	0.00	0.29	3.40	0.00

January 7, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

[VOL. V.] WEEK ENDING SATURDAY, JANUARY 14, 1865. [No. 233.]

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The number of new cases of disease attended by the Medical Officers connected with the public Charitable Institutions of Manchester and Salford, with the Poor Law Districts and Workhouses, amounted, in the week terminating on Saturday, the 14th instant, to 1,597: in the corresponding week of last year it was 1,889.

Small-pox still continues very prevalent, no fewer than 20 cases being returned. Three of the seizures were met with in the Manchester Workhouse, and appear to have been of a highly malignant character. Two of them took on the confluent form of the disease, and both terminated fatally.

There were 30 cases of Measles, 5 of which were patients of St. Mary's Hospital, and 5 more of the Clinical Hospital.

Of 17 cases of Scarlatina 6 appear in the return of the Salford Dispensary.

By far the most alarming feature in the present return is the increasing prevalence of Continued Fever. In the two preceding weeks the respective number of cases was 57 and 63; last week it rose to 87. No fewer than 28 of these 86 are specially referred to as belonging to that contagious form of the disease known as Typhus Fever. Nine of the latter came under the care of Mr. Broadbent, in the St. Andrew's District; they were all removed to the Hospital. We are informed by him that most of these cases were contracted from patients who neglected or refused to go into the Hospital.

During the last two weeks affections connected with the chest have risen from 251 to 294 and 298. In the corresponding week of last year 494 seizures were ascribed to disorders of this class.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week the deaths registered in the eleven districts from which we receive returns amounted to 264, or 6 more than in the preceding week.

Ten of the deaths are ascribed to Measles, and 15 to Continued Fever.

The mortality from disorders connected with the respiratory organs has remained very stationary during the last three weeks, the respective numbers being 82, 85, and 82.

The health of Manchester and Salford, at the present time, contrasts favourably with that of Liverpool. Thus, in the latter, the deaths from Typhus were 67, in the two former 15; so Small-pox in Liverpool carried off 30 persons, here only 4.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 42·8°, at the Royal Infirmary it was 42·1°, at Eccles 41·6°, and at Old Trafford 40·8°.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinal Hospital
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	3	1	..	1	..	..	1	1
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	1	4	4	..	10	..	..	..	..	..	5	5	5
Scarlatina .....	..	..	1	..	1	..	2	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	2	1	1	..	1	..	5	..	..	1	..	..	..	3	8
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Continued Fever.....	*3	†13	‡2	*1	3	§1	23	17	||8	..	3	5	¶4	5	..
Erysipelas .....	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..
Rheumatism .....	..	1	..	..	3	..	4	12	1	31	3	..	..	..	2
Neuralgic Affections.....	..	..	..	..	..	..	..	..	2	6	1	..	2	..	2
Constitutional Syphilis .....	..	..	..	..	1	..	1	8	..	10	1	..	..	..	2
Phthisis .....	..	..	..	2	1	1	4	6	1	27	..	4	1	2	2
Insanity .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	12	13	9	1	9	11	55	21	4	29	5	6	6	6	9
Pleurisy and Pneumonia....	1	1	1	..	1	..	4	1	2	2	2	3	..	..	..
Skin Diseases.....	..	..	1	2	..	..	3	5	..	11	..	..	..	3	27
Dyspepsia .....	..	2	..	..	7	..	9	..	..	12	..	..	..	2	6
Accidents and diseases not } classified..... }	23	11	19	19	..	13	85	59	39	201	6	7	6	65	12
TOTAL	42	42	35	29	31	27	206	133	58	331	22	26	24	93	77

* 1 Typhus, removed to Hospital. † 9 Typhus, removed to Hospital. ‡ 1 Febricula. § Removed to Hospital.

Medical Officers to whom the Association are indebted for their services.

- | | | | |
|---------------------|----------------------|-----------------------------|-----------------|
| 1) Mr. R. M. MANN. | (5) Dr. JOHN MEDD, | (9) { Mr. W. H. SUTCLIFFE, | (13) Mr. H. RUN |
| 2) „ J. BROADBENT, | (6) „ LEDWARD, | (10) } „ WILLIAM G. ROGERS, | (14) Dr. WHITE |
| 3) „ EDWARD MEACHAM | (7) Mr. A. PHILIPPS, | (11) } „ THOMAS LEEDS, | (15) Mr. W. GOL |
| 4) Dr. BRADDON, | (8) Dr. GEORGE REED, | (12) } | (16) „ J. TEAL |

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 14th day of January, 1865.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						
..... 1,329 477. 646. ...		508. 2650.....					Area in Statute Acres.	
..... 70,967. 68,209. 44,850..		2173924,448					Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
6	17	18	19	20	21	22	23	24	25	26	27	28				DEATHS.	
..	..	..	4	..	2	..	2	1	1	3	..	..	20	8	Small-pox	3
..	..	..	..	..	..	..	..	..	..	1	..	..	1	3	Chicken-pox .....	..
..	..	..	..	..	1	..	..	..	2	1	..	1	30	16	Measles	2
..	..	..	6	..	2	..	4	..	1	..	2	..	17	44	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria .....	..
..	..	1	..	..	..	..	..	..	..	1	..	..	3	24	Whooping-cough	1
..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	Croup	1
..	2	..	3	1	1	1	..	..	..	1	1	3	30	46	Diarrhoea .....	..
..	..	..	2	..	..	..	1	..	..	..	..	..	4	5	Dysentery .....	..
..	2	3	6	..	†1	1	**3	..	..	1	..	††5	87	50	Continued Fever	5
..	..	1	..	..	..	..	1	..	2	..	..	1	8	7	Erysipelas .....	..
1	4	..	8	1	2	4	1	..	4	..	2	2	82	87	Rheumatism .....	..
1	..	..	2	..	..	5	1	..	..	..	..	1	23	18	Neuralgic Affections ..	1
..	..	..	2	..	..	1	..	..	..	1	1	4	31	30	Constitutional Syphilis	..
1	..	1	8	..	1	1	..	3	1	..	1	3	67	77	Phthisis	5	
1	1	1	..	..	..	..	..	..	..	..	..	6	10	7	Insanity .....	..
2	8	..	29	4	6	12	10	8	16	3	19	8	279	494	Bronchitis, Influenza, and Catarrh.....	11	
..	..	..	2	..	..	..	..	..	1	..	..	2	19	18	Pleurisy & Pneumonia.	4
2	1	6	10	..	..	1	2	1	1	2	..	5	80	66	Skin Disease.....	..
..	..	..	14	..	..	2	1	1	..	..	2	1	52	83	Dyspepsia .....	..
1	6	5	52	1	9	8	4	8	26	2	42	96	753	805	Accidents and diseases not classified.....	23	
9	24	18	149	7	25	36	30	22	55	16	70	138	1597	1889	TOTAL.....	57	

|| 6 Typhus and 2 Typhoid. † 2 Typhus and 2 Typhoid. ** 2 Typhus, removed to Hospital. †† Typhus.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
 (18) Mr. M. O. LARMUTH,
 (19) „ J. O. BRADBURY,
 (20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
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Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	2	..	..	..	2	..	..	..	..	4	1
Measles.....	7	1	..	..	..	..	..	..	1	..	1	10	7
Whooping-cough.....	..	1	1	1	..	2	1	..	..	1	..	7	12
Scarlatina.....	..	1	1	..	..	..	1	..	..	3	..	6	31
Diarrhoea.....	..	..	..	..	..	1	..	..	..	..	..	1	5
Fever.....	..	1	a3	a1	1	a1	c3	..	1	4	..	15	10
Diseases of the Lungs ..	14	16	7	5	..	6	1	..	13	15	5	82	100
Other causes.....	17	11	23	6	7	b5	31	b9	9	18	3	139	157
TOTAL NO. OF DEATHS.	38	31	37	13	8	15	39	9	24	41	9	264	323
TOTAL NO. OF BIRTHS.	34	42	22	24	25	21	15	16	23	45	20	287	286

a Typhus. b 1 Inquest. c 2 Typhus and 1 gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
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At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
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1	2	7	10 Diphtheria.....
58	56	75	189 Whooping-cough	13	28	34	75
3	2	6	11Croup.....	..	4	4	8
428	443	355	1226Diarrhoea.....	167	117	127	411
5	4	3	12Dysentery.....	12	9	12	33
1	1 Cholera
18	26	21	65Erysipelas.....	37	39	29	105
.. Puerperal Fever
..	12	23	45 Insanity	52	26	31	109
741	1048	1294	3083	. Bronchitis and Catarrh..	738	987	1240	2965
10	10	18	38 Pleurisy	75	92	107	274
31	23	32	86 Pneumonia
1	4	4	9Carbuncle.....
3867	3378	3795	11040	{ Accidents, and all other Diseases.	4195	4413	5369	13977
5304	5201	5823	16328 TOTAL	5477	5952	7225	18654

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN DECEMBER : Inches. Wet Days.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERRETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Royton	2.860	.....	17						
Castleton Moor	2.618	.....	13						
Eccles.....	2.006	.....	17						
Old Trafford..	1.970	.....	17						
Penketh	1.814	.....	17						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.287	29.293	29.277	29.268	29.265	29.257
Highest.....				29.642	29.727	29.705	29.226	29.774	29.300
Lowest.....				28.242	28.282	28.269	27.797	28.344	27.884
Range				1.400	1.445	1.436	1.429	1.430	1.416
Temperature.									
Adopted Mean				42.1	40.8	41.6	40.1	42.2	39.4
Range for Week				19.8	20.0	18.4	18.0	19.7	17.7
Daily Range.....				10.5	12.9	11.1	10.0	12.2	10.8
Maximum in Shade				52.8	52.0	51.9	50.0	51.6	49.
Minimum in Shade				33.0	32.0	33.5	32.0	31.9	31.5
Temperature of Dew Point				38.5	37.7	37.2	37.1	37.7	5
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.878	0.883	0.858	0.889	0.850	0.864
Prevailing Winds					S,SW,SE	S,SW	S,SW	S,SW	
Rain					1.444	1.329	2.040	0.592	2.058
Ozonometer.									
Moffat					4.43	0.35	0.00	.....	0.00
Schonbein					3.57	0.00	6.0	7.0	1.60

January 14, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, JANUARY 21, 1865.

[No. 234.]

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 21st instant, the paupers who required medical relief, and the patients who were attended by the medical officers of the various Hospitals, amounted to 1,597. This number exactly corresponds with that recorded in the preceding week, while it falls considerably short of the total returned in the corresponding period of 1864.

Small-pox still continues prevalent, the seizures amounting to 25, or 5 more than in our previous return. Six of the cases occurred in the Chorlton, and 3 in the Ardwick Poor Law District.

Under Measles we find a marked improvement, 17 instead of 30 cases being recorded; 8 belonged to the Manchester Poor Law District, and 4 to the Chorlton. Salford still continues to enjoy complete immunity from this disease.

There were only 10 cases of Scarlet Fever.

Rheumatism, including Rheumatic Fever, has become very general, no fewer than 108 patients having applied for relief, 52 of them to the Royal Infirmary.

The seizures from Continued Fever fell from 87 to 76. Of this number 17 were Typhus and 1 Typhoid Fever. Nine of the Typhus cases were admitted into the Chorlton Workhouse, 2 into the Salford Workhouse, and 2 into the Royal Infirmary. Mr. Mann reports 4 more in the St. Peter's District, which were all removed to the Hospital. Among the fever patients there were 5 deaths, or 1 in every 15 cases.

Under Bronchitis and kindred chest affections we find an increase of 22, the respective numbers for the two last weeks being 298 and 320. To this total Pleurisy and Pneumonia contributed 28 cases.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

The deaths in the course of the last three weeks have remained very stationary in the 11 districts from which our returns are obtained, the respective numbers being 258, 264, and 269. Those occasioned by Small-pox rose from 4 to 7, 3 of them being entered in the Deansgate register.

From Measles there were 9 deaths, of which 5 occurred in the Ancoats District.

Scarlet Fever proved fatal in only 5 cases, of which 3 happened in Hulme and 2 in Ancoats.

The deaths from Continued Fever are still high, it carried off 16 persons.

In London, according to the Registrar General, the deaths last week were less by 52 than the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 34.1°, at the Royal Infirmary it was 36.8°, and at Eccles and Old Trafford 35.0°.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALM MALL, MANCHESTER.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	*2	2	..	..	..	..	4	..	1	..	..	1	2	2	1
Chicken-pox	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Measles	1	..	1	3	3	..	8	..	..	..	..	..	1	..	2
Scarlatina	1	1	3	..	1	..	6	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	1	2	..	3	..	..	3	..	..	..	1	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	1	2	..	5	1	9	..	..	7	..	..	..	3	6
Dysentery .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Continued Fever.....	+7	..	+2	..	1	..	10	14	§3	..	1	3	2	10	..
Erysipelas .....	..	..	..	..	..	..	..	3	1	..	..	1	..	..	..
Rheumatism	3	4	1	2	4	..	14	14	..	43	4	3	2	..	2
Neuralgic Affections .....	..	..	..	..	..	..	..	..	3	..	..	..	1	..	..
Constitutional Syphilis .....	..	..	..	..	2	..	2	7	..	19	..	..	1	..	2
Phthisis	1	..	3	3	1	..	8	4	1	31	2	5	1	1	4
Insanity .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	7	3	4	6	10	35	17	..	59	4	5	8	4	19
Pleurisy and Pneumonia....	1	..	..	1	2	..	4	..	..	12	1	1	2	..	2
Skin Diseases.....	1	1	1	5	2	1	11	12	..	..	..	..	..	10	19
Dyspepsia .....	..	..	..	1	3	..	4	..	..	21	..	1	1	1	18
Accidents and diseases not classified.....	21	11	24	12	1	15	84	66	28	182	3	10	8	48	13
TOTAL	44	27	41	32	33	27	204	137	37	377	15	30	29	80	88

* 1 Confluent.

+ 4 Typhus, removed to Hospital.

‡ 1 Febricula.

§ 2 Typhus and 1 Typhoid.

1) Mr. R. M. MANN.
2) „ J. BROADBENT,
3) „ EDWARD MEACHAM
4) Dr. BRADDON,

(5) Dr. JOHN MEDD,
(6) „ LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REED,

(9) Mr. W. H. SUTCLIFFE,
(10) „ WILLIAM G. ROGERS,
(11) „ THOMAS LEEDS,
(12) „

(13) Mr. H. RUNG,
(14) Dr. WHITEH,
(15) Mr. W. GOLD,
(16) „ J. TEAL

Medical Officers to whom the Associat

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 21st day of January, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477			646		508		2650			Area in Statute Acres.		
70,967				68,209			44,850		21739		24,448			Population in 1861.		
POOR LAW DISTRICT.		PUBLIC INSTITUTIONS.		POOR LAW DISTRICTS.			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's										
17	18	19	20	21	22	23	24	25	26	27	28					
..	1	..	..	1	..	..	2	4	3	1	1	25	7	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	1	11	Chicken-pox .....	..
..	..	..	..	2	2	..	..	..	1	..	1	17	25	Measles .....	..
..	..	..	..	..	..	1	..	2	..	1	..	10	50	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	1	2	..	..	..	..	..	..	..	..	..	10	25	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Croup .....	..
..	..	2	2	..	..	..	1	1	2	..	..	37	37	Diarrhoea .....	..
..	..	..	..	..	1	..	..	..	..	..	..	2	4	Dysentery .....	..
1	4	8	..	..	..	5	1	..	4	..	**9	76	56	Continued Fever	5
..	1	1	..	..	3	..	..	1	..	..	..	11	14	Erysipelas .....	..
1	..	9	2	2	..	1	..	3	3	2	2	108	89	Rheumatism .....	..
..	..	2	..	..	..	..	..	..	..	..	..	6	26	Neuralgic Affections ..	..
..	1	6	1	..	..	..	..	..	1	..	1	41	32	Constitutional Syphilis	1
..	2	10	..	..	..	1	1	..	1	1	5	79	73	Phthisis	5
..	4	..	..	..	..	..	..	..	..	..	3	7	6	Insanity	1
8	1	37	3	7	13	4	10	16	5	14	10	292	408	Bronchitis, Influenza, and Catarrh	9	
..	..	3	..	..	..	1	..	..	..	2	..	28	16	Pleurisy & Pneumonia.	3
1	5	15	1	1	..	..	..	..	1	..	7	83	75	Skin Disease .....	..
..	..	11	..	..	..	..	..	2	4	2	2	71	88	Dyspepsia .....	..
9	9	71	..	7	5	8	9	26	..	42	55	693	761	Accidents and diseases not classified	30	
20	29	177	9	20	24	21	24	55	25	65	96	1597	1805	TOTAL	56	

|| 2 Typhus.

¶ Modified.

** Typhus.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON,
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT.
(27) „ JOHN HOLDEN,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	..	1	3	1	..	..	..	1	1	7	3
Measles	5	3	1	..	..	..	..	..	..	..	..	9	3
Whooping-cough.....	1	2	1	..	..	1	1	21	..	..	..	7	14
Scarlatina.....	2	..	..	..	..	..	..	..	..	3	..	5	31
Diarrhoea	1	..	..	..	..	..	..	21	21	..	22	16	5
Fever	1	1	5	2	1	2	..	21	21	..	22	85	7
Diseases of the Lungs ..	17	11	4	5	..	7	3	..	12	25	1	97	97
Other causes.....	12	12	33	11	10	68	611	13	7	18	4	139	145
TOTAL NO. OF DEATHS.	39	29	44	19	14	19	15	15	20	47	8	269	305
TOTAL NO. OF BIRTHS.	46	33	21	12	24	36	25	21	31	48	22	319	309

a Typhoid. b 2 Inquests. c Croup. d 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 29th Oct.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	TOTAL.	DISEASE.	4 Weeks ending 29th Oct.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	TOTAL
5	4	5	14	.....Small-pox.....	43	94	109	246
11	21	9	41	..... Chicken-pox	8	6	9	23
64	115	128	307	..... Measles	64	63	95	222
50	53	48	151	.....Scarlatina.....	73	74	59	206
1	2	7	10	..... Diphtheria .....	..	..	..	..
58	56	75	189	.... Whooping-cough	13	28	34	75
3	2	6	11	.....Croup.....	..	4	4	8
428	443	355	1226	.....Diarrhoea	167	117	127	411
5	4	3	12	.....Dysentery.....	12	9	12	33
1	..	..	1	..... Cholera .....	..	..	..	..
18	26	21	65	.....Erysipelas.....	37	39	29	105
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
10	12	23	45	..... Insanity	52	26	31	109
741	1048	1294	3083	..Bronchitis and Catarrh..	738	987	1240	2965
10	10	18	38	..... Pleurisy	75	92	107	274
31	23	32	86	..... Pneumonia .....	..	..	..	..
1	4	4	9	.....Carbuncle.....	..	..	..	..
3867	3378	3795	11040	{ Accidents, and all other Diseases. }	4195	4413	5369	13977
5304	5201	5823	16328	..... TOTAL	5477	5952	7225	18654

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN DECEMBER :				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches. Wet Days.									
Royton	2.860	.....	17						
Castleton Moor	2.618	.....	13						
Eccles.....	2.006	.....	17						
Old Trafford..	1.970	.....	17						
Penketh	1.814	.....	17						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.396	29.341	29.338	29.329	29.330	29.305
Highest.....				29.546	29.546	29.563	29.086	29.642	29.186
Lowest				28.850	28.798	28.827	28.331	28.904	28.422
Range				0.696	0.748	0.736	0.755	0.738	0.764
Temperature.									
Adopted Mean				36.8	35.0	35.0	33.2	35.1	33.6
Range for Week				14.1	18.5	18.8	19.5	23.7	16.5
Daily Range				5.7	9.5	8.1	8.6	9.2	7.1
Maximum in Shade				44.1	43.0	43.4	41.0	43.7	40.0
Minimum in Shade				30.0	24.5	24.6	21.5	20.0	23.5
Temperature of Dew Point				33.5	33.1	32.4	31.7	32.8	31.8
Hygrometrical condition of the Atmosphere				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.910	0.930	0.900	0.937	0.920	0.930
Prevailing Winds					W,SW	N,NW	SW,NE	NW	SW,NE
Rain					0.230	0.179	0.220	0.271	0.195
Ozonometer.									
Moffat					0.00	1.14	0.00	.....	0.00
Schonbein					0.00	0.00	0.24	2.40	0.70

January 21, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, JANUARY 28, 1865.

[No. 235.]

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week which ended on Saturday, the 28th ultimo, the number of new cases of disease among the paupers and those of the poor who applied for relief at such of the Charitable Institutions as supply us with returns amounted to 1,544 : in the two preceding weeks, and, likewise, in the corresponding period of 1864 the total was somewhat higher.

The seizures from Small-pox amounted to 15, or 10 fewer than in our previous return.

There were 21 cases of Measles, 6 of which were seen at the Clinical Hospital and 5 in St. Michael's Poor Law District.

The abatement under Scarlet Fever, which we have for some weeks recorded, still continues,—in the whole week there were only 8 new cases ; in the corresponding week of last year there were 38.

Diphtheria which, during several months, had entirely disappeared has again been observed,—1 case being returned from the Royal Infirmary, and another from the Ardwick and Ancoats Dispensary.

Though the seizures from Continued Fever were less numerous than in our last return the deaths met with in public practice show that the cases generally were severe ; 16 are referred to as examples of Typhus and 3 of Typhoid Fever. Mr. Teale reports 4 cases of the former in the Greengate District, all met with in a single family,—all were sent to the Workhouse ; the father died on the night of admission.

Though the weather was excessively cold we do not find any increase under Bronchitis and kindred chest affections ; we may, however, expect to find such increase in the course of our two or three next returns, as experience has shown that some few days usually elapse before either cold or hot weather develope the disorders peculiar to each.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 292 deaths were registered in the eleven districts from which we receive returns : in the preceding week there were 269, and in the corresponding one of last year 289. It is some time since we have had occasion to record so high a rate of mortality.

Measles proved fatal to 10 persons, 4 of whom died in St. George's District and 3 in Hulme.

There were 20 deaths from Fever, the great majority of them being due to the Typhus and Typhoid forms of the disease.

At the Royal Infirmary the mean temperature of the air in the week was 30·9°, at Old Trafford it was 28·1°, and at Eccles 28·0°. At the Royal Infirmary the thermometer in the shade did not fall below 20·6°, but at Old Trafford it descended to 11·0°.

North-Easterly winds prevailed during the week.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALT

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		" " 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN.		
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	+2	§1	..	..	..	3	2	1	..	..	..	1	..	..
Chicken-pox	2	..	..	..	..	1	3	..	..	..	..	..	..	..	..
Measles .....	..	..	..	1	3	5	9	..	..	..	..	..	..	2	6
Scarlatina .....	..	2	..	..	1	..	3	..	..	..	1	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Whooping-cough .....	..	..	..	1	2	..	3	..	..	..	..	..	..	1	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	4	..	1	5	..	10	..	..	..	..	..	..	4	1
Dysentery	1	..	..	..	..	..	1	..	..	..	..	..	1	..	..
Continued Fever.....	*7	‡3	||3	4	1	..	18	14	¶3	..	2	..	¶1	5	¶1
Erysipelas	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Rheumatism	4	5	2	..	3	1	15	13	..	33	1	1	3	1	..
Neuralgic Affections .....	..	1	1	..	..	..	2	..	3	7	..	..	1	..	3
Constitutional Syphilis .....	..	..	..	..	..	..	..	6	..	6	!	..	..	..	1
Phthisis .....	..	1	2	..	..	..	3	2	1	16	2	4	6	1	..
Insanity .....	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	8	14	9	3	10	7	51	22	..	40	4	5	6	7	14
Pleurisy and Pneumonia....	4	..	..	..	1	..	5	1	..	2	..	2	2	..	1
Skin Diseases.....	..	..	1	2	3	4	10	15	1	11	..	1	..	3	31
Dyspepsia .....	..	2	..	..	..	..	2	..	3	26	..	1	..	1	11
Accidents and diseases not } classified..... }	32	17	20	14	7	16	106	47	41	195	3	4	12	31	13
TOTAL	59	51	39	26	36	34	245	126	54	336	14	8	33	56	82

* Typhoid and 1 Typhus, removed to Hospital. † Modified. ‡ 1 Febricula and 1 Typhus, removed to Hospital.

Medical Officers to whom the Associa

- 1) Mr. R. M. MANN.
2) „ J. BROADBENT,
3) „ EDWARD MEACHAM
4) Dr. BRADDON,

- (5) Dr. JOHN MEDD,
(6) „ LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REED,

- (9) } Mr. W. H. SUTCLIFFE,
(10) } „ WILLIAM G. ROGERS,
(11) } „ THOMAS LEEDS,
(12) }

- (13) Mr. H. RUN
(14) Dr. WHITEI
(15) Mr. W. GOL
(16) „ J. TEAL

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 28th day of January, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477			646		508		2650				Area in Statute Acres.		
70,967				68,209			44,850		21,739		24,448				Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS													
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anecats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.			
17	18	19	20	21	22	23	24	25	26	27	28						
1	..	2	..	1	1	..	1	1	..	..	..	15	9	Small-pox	3
..	..	2	..	..	..	..	..	..	..	..	..	5	1	Chicken-pox .....	..	
..	..	1	..	1	2	..	..	..	..	..	..	21	6	Measles .....	..	
..	..	1	..	..	..	1	..	1	..	1	..	8	38	Scarlatina .....	..	
..	..	..	..	..	..	..	..	..	..	1	..	2	1	Diphtheria .....	..	
..	2	1	..	..	..	..	..	..	..	..	..	7	22	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..	
..	..	..	2	..	..	..	..	..	..	1	3	24	30	Diarrhoea	2
..	..	3	..	..	..	..	..	..	..	..	..	5	2	Dysentery .....	..	
4	2	3	..	..	..	2	4	..	..	..	..	60	50	Continued Fever	11
..	..	2	..	1	..	..	..	..	..	..	..	5	12	Erysipelas .....	..	
2	4	..	4	1	2	3	..	2	4	..	3	1	94	97	Rheumatism	
..	..	..	..	..	..	..	..	..	..	..	..	16	22	Neuralgic Affections ..	..	
..	1	4	..	1	..	..	..	..	1	..	1	22	53	Constitutional Syphilis	2
3	..	10	..	..	..	3	..	3	1	3	..	58	60	Phthisis	6
..	..	..	..	..	..	..	..	..	..	..	3	6	8	Insanity	1
3	8	2	44	4	7	10	6	12	7	6	16	9	291	322	Bronchitis, Influenza, and Catarrh.....	19	
..	..	2	..	..	..	1	..	..	..	1	..	17	24	Pleurisy & Pneumonia.	2
..	5	12	..	1	..	1	..	..	..	..	6	97	74	Skin Disease.....	1
..	..	6	1	..	2	1	2	1	1	2	..	60	103	Dyspepsia .....	..	
3	8	6	96	2	8	4	7	17	27	6	40	49	731	671	Accidents and diseases not classified.....	24	
4	26	17	193	10	22	22	22	38	44	15	68	72	1544	1606	TOTAL.....	72	

Vaccinated, aged 4 years. || 2 Febricula. ¶ Typhus. ** Typhus; one Family, sent to Workhouse, Father since dead.
 †† Typhus, sent to Hospital. ‡ 2 Typhus. §§ Removed to Hospital.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
 (18) Mr. M. O. LARMUTH,
 (19) „ J. O. BRADBURY,
 (20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
 (22) Dr. ALEX. WILSON,
 (23) Mr. H. M. WILLIAMSON.
 (24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
 (26) „ J.V.L.WESTMACOTT.
 (27) „ JOHN HOLDEN,
 (28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	..	..	1	..	1	1	..	3	1	7	5
Measles	1	4	..	..	..	..	..	1	1	3	..	10	..
Whooping-cough.....	1	1	2	..	..	1	1	1	..	..	..	7	10
Scarlatina	1	1	..	1	..	..	..	..	..	1	..	4	27
Diarrhoea	3	1	..	1	1	..	..	1	..	..	..	6	3
Fever .....	..	1	a8	..	c4	..	e4	a1	g1	h1	..	20	15
Diseases of the Lungs ..	15	14	5	7	1	8	3	..	8	21	..	32	67
Other causes.....	10	15	b39	4	17	d11	f17	8	10	17	8	156	162
TOTAL NO. OF DEATHS.	31	37	54	13	24	20	26	12	20	46	9	292	289
TOTAL NO. OF BIRTHS.	26	42	19	28	11	27	18	16	31	50	11	279	335

a Typhus. b 10 Inquests. c 1 Gastric and 1 Typhoid. d 4 Inquests. e 3 Typhus and 1 Intermittent.
f 2 Inquests. g Rheumatic. h Typhoid. i Not vaccinated, aged 7 months.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 29th Oct.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	TOTAL.	DISEASE.	4 Weeks ending 29th Oct.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	TOTAL
5	4	5	14	.....Small-pox.....	43	94	109	246
11	21	9	41	..... Chicken-pox	8	6	9	23
64	115	128	307	..... Measles	64	63	95	222
50	53	48	151	.....Scarlatina.....	73	74	59	206
1	2	7	10	..... Diphtheria.....	..	..	..	..
58	56	75	189	.... Whooping-cough....	13	28	34	75
3	2	6	11	.....Croup.....	..	4	4	8
428	443	355	1226	.....Diarrhoea.....	167	117	127	411
5	4	3	12	.....Dysentery.....	12	9	12	33
1	..	..	1	..... Cholera .....	..	..	..	..
18	26	21	65	.....Erysipelas.....	37	39	29	105
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
10	12	23	45	..... Insanity	52	26	31	109
741	1048	1294	3083	..Bronchitis and Catarrh..	738	987	1240	2965
10	10	18	38	..... Pleurisy	75	92	107	274
31	23	32	86	..... Pneumonia				
1	4	4	9	.....Carbuncle.....	..	..	..	..
3867	3378	3795	11040	{ Accidents, and all other Diseases. }	4195	4413	5369	13977
5304	5201	5823	16328	..... TOTAL	5477	5952	7225	18654

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN DECEMBER :				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T.MACKERRETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
		Inches.	Wet Days.						
Royton	2 860	.....	17						
Castleton Moor	2 618	.....	13						
Eccles.....	2 006	.....	17						
Old Trafford..	1 970	.....	17						
Penketh	1 814	.....	17						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29 664	29 691	29 675	29 672	29 669	29 662
Highest.....				29 832	29 848	29 859	29 380	29 946	29 486
Lowest				29 170	29 170	29 197	28 706	29 294	28 816
Range				0 662	0 678	0 662	0 674	0 652	0 670
Temperature.									
Adopted Mean				30 9	23 1	28 0	27 7	27 8	27 9
Range for Week .....				..	26 9	19 5	22 5	26 4	17 7
Daily Range .....				..	14 1	12 1	10 2	13 0	10 2
Maximum in Shade .....				..	37 9	36 1	35 0	39 0	34 8
Minimum in Shade				20 6	11 0	16 6	12 5	12 6	17 1
Temperature of Dew Point				26 4	24 1	24 9	25 1	24 2	25 2
Hygrometrical condition of the Atmosphere				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0 827	0 813	0 870	0 900	0 855	0 907
Prevailing Winds					NE	NE	NE	NE	NE
Rain					0 098	.....	0 200	0 190	0 079
Ozonometer.									
Moffat					0 00	0 43	0 00	.....	0 00
Schonbein					0 00	0 00	0 00	0 04	0 10

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, FEBRUARY 4, 1865.

[No. 236.]

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 4th instant, the number of new cases of disease which came under the observation of the medical officers attached to the various Charitable Institutions and Poor Law Districts from which we receive our returns amounted to 1,557: in the corresponding week of last year it was 1,558, while in the two preceding weeks 1,597 and 1,544.

Under the zymotic diseases, generally, we observe an improvement. There were 18 cases of Small-pox scattered pretty evenly over the different quarters of the town.

The seizures from Measles were exclusively confined to Manchester; none were met with in Salford, Chorlton, Hulme, or Ardwick. In some of our preceding "Summaries" we directed attention to the first outbreak of this disease in Chorlton. Ardwick was subsequently visited; now Manchester; and next, probably, Salford and Hulme, which have so far almost entirely escaped.

There were only 4 cases of Scarlet Fever.

Last week we recorded 2 examples of Diphtheria, and this week another made its appearance in the St. Jude's District. During the last four or five months scarcely a case had been seen among the poor of these districts.

There is a marked improvement under Continued Fever in the course of the last three weeks, the respective numbers being 76, 60, and 53. But, what is more important is that there is a more than proportionate decrease under that malignant form of Fever designated Typhus, 9 instead of 16 cases being returned,

Considering the severity of the weather the increase under Bronchitis and kindred chest affections has been less marked than might have been anticipated, the respective numbers in the two last returns being 308 and 327; but the proportion of deaths to cases, was high, amounting to 1 in 14. In the case of affections of this order the mortality usually is not above 1 in 24.

The deaths met with in public practice were unusually numerous, amounting to 82, or 1 in 19. This proportion of deaths to seizures is much above the average, and tends to show that the cold weather tells with exaggerated effect upon the poor.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 262 deaths were registered in the eleven districts, or 30 fewer than in the preceding returns: in the corresponding week of last year the total was still lower, or 237.

Continued Fever proved considerably less fatal than in the preceding week, the respective numbers being 20 and 12.

At the Royal Infirmary the mean temperature of the air in the week was 37·9°, at Old Trafford 36·2°, and at Eccles 35·8°. In the centre of Manchester the thermometer did not descend below 23·0°, but at some of the outlying districts a reading as low as 13 0° was recorded.

The state of the atmosphere in the week was remarkably humid.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SA

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN.		
	1	2	3	4	5	6		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
Small-pox	1	2	..	..	..	..	3	1	1	1	1	1	..	..	..
Chicken-pox	2	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Measles .....	..	1	1	2	2	1	7	..	..	1	..	1	2	..	3
Scarlatina .....	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
Diphtheria .....	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	1	1	2	..	..	2	..	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Diarrhœa .....	..	..	..	2	2	..	4	..	..	..	..	..	..	4	3
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Continued Fever	*5	†1	‡3	..	..	..	9	17	‡2	..	1	4	..	3	..
Erysipelas .....	..	2	..	..	..	..	2	..	..	1	1	..	..	..	..
Rheumatism	4	2	2	..	5	1	14	20	..	29	1	2	1	2	1
Neuralgic Affections .....	..	..	1	..	1	..	2	..	4	7	1	..	..	..	3
Constitutional Syphilis .....	..	..	..	..	..	1	1	16	..	13	1	..	..	..	..
Phthisis .....	..	2	..	3	..	..	5	4	..	27	1	7	1	..	3
Insanity .....	..	..	1	..	..	..	1	3	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	27	6	2	9	7	55	31	..	46	3	7	2	4	10
Pleurisy and Pneumonia .....	..	2	1	..	2	..	5	2	2	5	1	..	1	..	..
Skin Diseases	1	..	1	..	3	3	8	19	..	19	..	..	..	3	23
Dyspepsia .....	..	..	..	..	5	..	5	..	..	38	..	1	1	..	10
Accidents and diseases not classified	37	15	15	7	6	17	97	43	37	147	6	11	3	45	14
TOTAL	54	54	31	16	37	31	223	156	47	336	17	34	13	63	70

* 1 Typhoid removed to Hospital.

† Typhus, removed to Hospital.

‡ 1 Febricula.

Medical Officers to whom the Association

- 1) Mr. R. M. MANN.
- 2) " J. BROADBENT,
- 3) " EDWARD MEACHAM
- 4) Dr. BRADDON,

- (5) Dr. JOHN MEDD,
- (6) " LEDWARD,
- (7) Mr. A. PHILIPPS,
- (8) Dr. GEORGE REED,

- (9) Mr. W. H. SUTCLIFFE,
- (10) " WILLIAM G. ROGERS,
- (11) " THOMAS LEEDS,
- (12) " " "

- (13) Mr. H. RUSSELL,
- (14) Dr. WHITE,
- (15) Mr. W. GODFREY,
- (16) " J. TEA

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 4th day of February, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.				
1,329				477.			646. ...		508.		2650.....			Area in Statute Acres.	
70,967.				68,209. ...			44,850..		21739		24,448			Population in 1861.	
PUBLIC INSTITUTIONS.				POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's									
17	18	19	20	21	22	23	24	25	26	27	28				
3	..	1	..	1	..	..	1	1	1	..	1	18	5	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	2	1	Chicken-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	14	10	Measles .....	..
..	..	..	..	..	..	..	..	1	1	..	..	4	36	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Diphtheria .....	..
..	..	..	..	..	..	..	..	..	..	..	..	4	30	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	2	1	Croup	1
..	..	2	1	..	..	1	1	1	..	1	2	20	37	Diarrhoea .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	3	Dysentery .....	..
1	2	4	1	..	..	3	1	..	..	1	2	53	41	Continued Fever	4
..	1	2	..	..	2	..	..	..	..	..	1	10	17	Erysipelas	1
..	..	9	1	4	1	1	..	1	3	..	2	95	85	Rheumatism .....	..
..	..	3	..	..	..	..	..	..	..	..	..	20	29	Neuralgic Affections ..	..
1	..	5	..	..	..	..	..	1	..	1	1	40	37	Constitutional Syphilis	..
..	1	11	..	..	..	..	1	1	..	1	2	66	59	Phthisis	9
..	1	..	..	..	..	1	..	..	..	..	8	14	6	Insanity .....	..
5	5	48	5	4	12	3	11	14	6	17	10	307	300	Bronchitis, Influenza, and Catarrh.....	20
..	..	2	..	..	..	..	..	1	..	..	1	20	18	Pleurisy & Pneumonia.	3
..	10	8	..	..	..	1	1	..	..	..	10	102	71	Skin Disease.....	..
..	..	16	..	..	4	1	3	..	..	2	1	84	73	Dyspepsia .....	..
9	12	83	1	6	5	6	8	41	8	47	39	680	698	Accidents and diseases not classified.....	43
19	32	194	9	15	24	17	27	62	19	70	80	1557	1558	TOTAL.....	82

3 Typhus

1 Typhus.

1 Typhoid.

3 Typhus

1 Typhus.

1 Typhoid.

ndeighted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J.V.L. WESTMACOTT.
(27) „ JOHN HOLDEN,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	3	1	..	1	1	..	1	..	1	2	e1	3	1
Measles	1	3	1	..	1	1	..	..	..	..	..	9	2
Whooping-cough.....	..	..	..	..	..	..	2	..	1	1	..	6	10
Scarlatina.....	..	..	..	..	..	..	..	..	..	..	..	4	34
Diarrhoea .....	..	..	..	..	2	1	..	..	..	1	..	4	8
Fever .....	..	2	a1	..	a2	2	a1	..	a2	d2	..	12	15
Diseases of the Lungs ..	14	4	3	5	1	9	5	..	9	14	5	69	64
Other causes.....	18	15	36	8	9	b14	c19	c7	5	18	6	155	103
TOTAL NO. OF DEATHS.	36	25	41	14	16	27	28	7	18	38	12	262	237
TOTAL NO. OF BIRTHS.	36	31	17	23	23	30	35	28	38	52	17	330	391

a 1 Typhus. b 2 Inquests. c 1 Inquest. d 1 Gastric and 1 Typhoid. e Not vaccinated, aged 18 months.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	TOTAL.	DISEASE.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	TOTAL.
4	5	7	16	..... Small-pox.....	94	109	83	286
21	9	8	38	..... Chicken-pox	6	9	13	28
115	128	46	289	..... Measles	63	95	91	249
53	48	27	128	..... Scarlatina.....	74	59	42	175
2	7	5	14	..... Diphtheria.....	..	..	2	2
56	75	60	191	.... Whooping-cough	28	34	26	88
2	6	1	9	..... Croup.....	4	4	1	9
443	355	241	1039	..... Diarrhoea	117	127	117	361
4	3	2	9	..... Dysentery.....	9	12	15	36
..	..	..	..	..... Cholera .....	..	..	..	..
26	21	34	81	..... Erysipelas.....	39	29	32	100
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
12	23	17	52	..... Insanity	26	31	33	90
1048	1294	1280	3622	. Bronchitis and Catarrh..	987	1240	1135	3362
10	18	18	46	..... Pleurisy	92	107	85	284
23	32	28	83	..... Pneumonia .....	..	..	..	..
4	4	4	12	..... Carbuncle.....	..	..	..	..
3378	3795	3345	10518	{ Accidents, and all other Diseases. }	4413	5369	4513	14295
5201	5823	5123	16147	..... TOTAL	5952	7225	6188	19365

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY:				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Castleton Moor	4.050	.....	15						
Royton	3.820	.....	16						
Old Trafford..	2.981	.....	16						
Eccles.....	2.952	.....	22						
Penketh	2.279	.....	17						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.240	29.243	29.236	29.220	29.218	29.231
Highest.....				29.688	29.726	29.727	29.230	29.802	29.380
Lowest				28.686	28.676	28.701	28.220	28.767	28.342
Range				1.002	1.050	1.026	1.010	1.035	1.038
Temperature.									
Adopted Mean				37.9	36.2	35.8	35.3	35.2	34.0
Range for Week .....				..	34.0	29.6	32.0	35.0	28.9
Daily Range .....				..	12.0	10.0	9.6	9.6	8.7
Maximum in Shade .....				..	51.0	46.6	45.0	48.3	44.4
Minimum in Shade				23.2	17.0	17.0	13.0	13.3	15.5
Temperature of Dew Point				35.3	34.2	33.8	34.5	33.9	33.7
Hygrometrical condition of the Atmosphere				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.920	0.930	0.920	0.953	0.951	0.984
Prevailing Winds					SE	SW,E	SE,SW	S,SE	S,SE
Rain					0.884	1.031	0.885	0.972	1.256
Ozonometer.									
Moffat					0.71	0.71	0.00	.....	0.00
Schonbein					0.86	0.00	2.5	5.1	2.0

February 4, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

[VOL. V.] WEEK ENDING SATURDAY, FEBRUARY 11, 1865. [No. 237.]

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 11th instant, 1,498 new cases of disease were observed in connection with the public medical practice of Manchester and Salford. In the two preceding weeks the respective numbers were 1,544 and 1,557; and, in the corresponding one of last year, 1,780. The deaths, likewise, among these poor patients fell from 82 to 71, or from 1 in every 18 cases to 1 in 20·8.

The seizures from Small-pox, which amounted to 18, exactly corresponded with those recorded in our preceding return. Nine of them are reported from Salford,—6 among the patients of the Salford Dispensary and 2 among those of the New Bailey Prison.

In the course of the last fortnight we find an abatement under Measles, the respective numbers in the three last returns being 21, 14, and 11.

There were 7 cases of Scarlet Fever. In the corresponding week of last year there were 33.

One more case of Diphtheria is this week announced, and 1 death, due to the same disease.

Under Continued Fever we find 56 seizures, 3 more than in our preceding return; 15 turned out to be Typhus and 4 Typhoid Fever. Seven cases of the former disease are reported from the Chorlton Workhouse, and 3 from No. II. District of the Royal Infirmary.

Out of 97 cases of Rheumatism no fewer than 31 were out-patients of the Royal Infirmary.

The number (327) of patients suffering from Bronchitis and kindred chest affections exactly corresponded with that returned in the preceding week. Among diseases of this order there were 17 deaths, or 1 in 19.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 284 deaths were registered in the eleven districts, or 22 more than in the preceding week. At the same time the births were very numerous, amounting to 367.

As might have been anticipated there is a decided increase under the deaths ascribed to disorders of the respiratory organs. In the week ending February 4th these diseases carried off 69 persons, in the next (that embraced in the present return) 85.

The deaths from Fever have been steadily decreasing, the respective numbers for the last three weeks being 20, 12, and 8; of the eight 7 occurred in public practice, hence it is evident that at present this disorder is chiefly confined to the poorest classes.

There were 6 deaths from Small-pox, 3 more than in the previous week.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 35·3°, at the Royal Infirmary it was 34·4°, at Old Trafford 33·9°, and at Eccles 33·4°. At Greenwich the thermometer fell to 24·7°, at the Royal Infirmary it did not descend below 28·2°.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALE

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN			City Gaol
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox	1	..	..	..	..	..	1	..	1	..	1	..	..	2	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	3	1	4	1	..	..	..	..	1	..	..	..
Scarlatina .....	..	..	..	..	1	..	1	..	..	..	..	..	..	..	1	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	2	2	..	4	..	..	..	..	..	..	2	2	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	1	1	..	1	3	..	6	..	..	3	..	..	..	3	3	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	*1	†4	‡3	1	..	..	9	10	§3	..	1	§3	2	3	..	..
Erysipelas .....	..	..	..	1	..	..	1	..	..	2	..	..	..	1	..	..
Rheumatism	4	5	..	..	4	..	13	8	4	31	..	3	1	..	3	1
Neuralgic Affections.....	..	..	..	..	..	..	..	..	3	5	..	..	..	..	5	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	8	..	22	..	..	..	..	2	1
Phthisis .....	..	1	..	..	1	1	3	2	3	25	2	5	..	1	2	..
Insanity .....	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	6	5	7	9	11	42	29	1	51	5	8	10	10	18	2
Pleurisy and Pneumonia....	2	..	1	..	..	..	3	2	..	2	..	3	4	2	2	..
Skin Diseases.....	2	1	1	..	3	4	11	11	..	15	..	1	..	4	21	..
Dyspepsia .....	..	1	..	..	2	..	3	..	..	21	..	..	1	2	14	..
Accidents and diseases not classified.....	33	10	12	8	4	6	73	62	42	167	3	5	8	38	16	3
TOTAL	48	29	22	20	32	23	174	136	57	344	12	28	27	68	89	7

* 1 Typhoid, removed to Hospital. † 1 Typhus. ‡ 1 Typhus and 2 Typhoid.

1) Mr. R. M. MANN.
2) „ J. BROADBENT,
3) „ EDWARD MEACHAM
4) Dr. BRADDON,

(5) Dr. JOHN MEDD,
(6) „ LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REED,

Medical Officers to whom the Association

(9) } Mr. W. H. SUTCLIFFE,
(10) } „ WILLIAM G. ROGERS,
(11) } „ THOMAS LEEDS,
(12) }

(13) Mr. H. RUNCOR.
(14) Dr. WHITEHEAD
(15) Mr. W. GOLLAN.
(16) „ J. TEALE,

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 11th day of February, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					
... 1,329 .....				... 477 .....			... 646 ...		508.	... 2650			Area in Statute Acres.		
... 70,967. ....				... 68,209. ...			... 44,850 ..		21739	... 24,448			Population in 1861.		
ORLAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
1	..	6	2	..	..	2	1	1	..	..	..	18	11	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Chicken-pox .....	..
..	..	2	..	1	1	..	..	..	..	..	1	11	6	Measles	1
..	..	1	..	..	..	..	1	1	1	1	..	7	33	Scarlatina .....	..
..	..	1	..	..	..	..	..	..	..	..	..	1	2	Diphtheria	1
..	..	1	..	..	..	..	..	..	..	..	..	10	30	Whooping-cough ....	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup .....	..
..	..	1	..	..	..	..	1	..	1	..	..	18	41	Diarrhoea	2
..	..	1	..	..	..	..	..	..	..	..	..	2	4	Dysentery .....	..
1	2	6	..	1	2	4	..	..	..	..	7	56	38	Continued Fever	7
..	..	1	..	..	..	..	..	..	..	..	1	6	7	Erysipelas .....	..
2	4	5	1	4	2	1	2	2	..	3	5	97	86	Rheumatism .....	..
..	..	1	..	..	..	..	..	..	..	..	..	14	24	Neuralgic Affections ..	..
..	2	4	..	..	..	..	2	..	..	1	3	45	40	Constitutional Syphilis	..
7	1	7	..	1	..	..	..	..	..	2	1	62	56	Phthisis	7
..	..	..	..	..	1	..	..	..	1	..	3	8	6	Insanity .....	..
1	1	42	1	5	6	3	14	18	3	14	10	300	347	Bronchitis, Influenza, and Catarrh	17
..	..	3	..	1	..	..	..	4	1	..	..	27	17	Pleurisy & Pneumonia.	6
..	2	11	..	..	..	..	1	..	..	..	5	82	92	Skin Disease .....	..
..	..	9	..	1	3	..	4	2	1	2	..	63	90	Dyspepsia .....	..
6	6	99	..	5	4	9	8	26	7	39	39	670	847	Accidents and diseases not classified	30
18	18	201	4	19	19	19	34	55	15	62	75	1498	1780	TOTAL	71

§ Typhus.

|| 1Removed to Hospital.

ndebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT.
(27) „ JOHN HOLDEN,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	21	..	2	..	..	1	1	1	..	6	3
Measles	2	..	1	..	..	..	2	..	..	..	..	5	1
Whooping-cough.....	..	..	..	..	..	2	..	..	..	..	..	2	10
Scarlatina	2	..	1	..	..	2	..	1	..	1	..	7	25
Diarrhoea	1	2	..	..	..	..	..	..	..	1	..	4	5
Fever	3	1	63	..	..	..	..	..	..	61	..	8	6
Diseases of the Lungs ..	18	9	6	5	6	9	4	..	12	9	7	35	95
Other causes.....	18	15	29	9	12	16	21	11	15	17	4	167	131
TOTAL NO. OF DEATHS.	44	27	41	14	20	29	27	13	28	30	11	284	276
TOTAL NO. OF BIRTHS.	50	31	19	16	27	29	54	12	24	74	31	367	319

a Confluent, not vaccinated. b Typhus. c 3 Inquests. d 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	TOTAL.	DISEASE.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	TOTAL
4	5	7	16	..... Small-pox.....	94	109	83	286
21	9	8	38	..... Chicken-pox	6	9	13	28
115	128	46	289	..... Measles	63	95	91	249
53	48	27	128	..... Scarlatina.....	74	59	42	175
2	7	5	14	..... Diphtheria.....	..	..	2	2
56	75	60	191	.... Whooping-cough	28	34	26	88
2	6	1	9	..... Croup.....	4	4	1	9
443	355	241	1039	..... Diarrhoea	117	127	117	361
4	3	2	9	..... Dysentery.....	9	12	15	36
..	..	..	..	..... Cholera .....	..	..	..	..
26	21	34	81	..... Erysipelas.....	39	29	32	100
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
12	23	17	52	..... Insanity	26	31	33	90
1048	1294	1280	3622	.. Bronchitis and Catarrh..	987	1240	1135	3362
10	18	18	46	..... Pleurisy	92	107	85	284
23	32	28	83	..... Pneumonia .....	..	..	..	..
4	4	4	12	..... Carbuncle.....	..	..	..	..
3378	3795	3345	10518	{ Accidents, and all other Diseases. }	4413	5369	4513	14295
5201	5823	5123	16147	..... TOTAL	5952	7225	6188	19365

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY: Inches. Wet Days.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, Rev. J. C. BATES.
Castleton Moor	4.050	.....	15						
Royton	3.820	.....	16						
Old Trafford..	2.981	.....	16						
Eccles.....	2.952	.....	22						
Penketh	2.279	.....	17						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				30.129	30.171	30.090	30.116	30.158	30.092
Highest.....				30.550	30.524	30.557	30.048	30.630	30.063
Lowest				29.604	29.593	29.629	29.142	29.715	29.170
Range				0.946	0.926	0.928	0.906	0.915	0.898
Temperature.									
Adopted Mean				34.4	33.9	33.4	32.4	33.2	31.8
Range for Week .....				..	19.5	21.5	19.8	21.7	19.6
Daily Range.....				..	10.4	10.6	10.7	7.9	8.0
Maximum in Shade .....				..	44.5	44.4	43.0	42.7	41.9
Minimum in Shade				28.2	25.0	22.9	23.2	21.0	22.3
Temperature of Dew Point				31.0	28.1	29.9	29.8	29.8	28.7
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.872	0.779	0.856	0.902	0.838	0.882
Prevailing Winds					SE, NE	SE, NE	SE, NE	SE, NE	SE, NE
Rain					0.276	0.350	0.605	0.326	0.562
Ozonometer.									
Moffat					0.86	1.00	0.00	.....	0.00
Schonbein					0.71	0.00	0.68	1.90	0.70

February 11, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, FEBRUARY 18, 1865.

[No. 238.]

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 18th instant, 1,483 new cases of disease and 69 deaths were observed in the public practice of Manchester and Salford: in the corresponding week of last year the number was 1,820.

There were 4 fewer cases of Small-pox than in the previous week. Of the 14 cases 5 were observed at the Salford Dispensary, 3 at the Royal Infirmary, and 2 at the Chorlton Dispensary.

Though only 10 cases of Scarlet Fever are recorded in the present return, and 7 in that which preceded, no fewer than 4 deaths are returned.

The cases of Continued Fever amounted to 53, of which 12 turned out to be Typhus and 1 Typhoid Fever. Mr. Meacham alludes in his return to a striking example of the contagiousness of Typhus. In a house in his district a father suffering from this form of Fever occupied the same bed with the mother, two daughters, aged respectively twenty and six, and a son of 17. Though warned of the consequences attending the danger of all sleeping together they persisted in doing so, but paid for their folly by *being all seized with Fever the same night*. Three of them were removed to the hospital.

From Bronchitis and kindred affections of the respiratory organs there were 315 cases, 12 fewer than in the previous week.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 288 deaths were registered in the eleven districts which supply returns to the Association: in the preceding week there were 284, and in the corresponding one of last year 276. The births only exceeded the deaths by 1.

There were 4 fatal cases of Small-pox, of which 1 occurred in St. George's District, in a person thirty-three years of age, who had never submitted to vaccination.

Of 5 deaths from Measles 4 were registered in Hulme.

Scarlet Fever carried off 8 persons, 1 more than in the previous return.

From Fever there were 11 deaths, an increase of 3 on the week which preceded.

At the Royal Infirmary the mean temperature of the air was 30·8°, but at Royton and Castleton Moor it was only 28·4° and 28·3°. At Penketh the thermometer fell as low as 14·5°: at the Royal Infirmary it did not descend below 24·1°.

The air, generally, was remarkably humid, especially at Eccles, where the degree of humidity was 950, complete saturation being expressed by 1000.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.																
Area in Statute Acres		Manchester Township 1,645														
Population in 1861		" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN		
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	1	..	1	1	2	..	1	..	..	..	..	..
Chicken-pox .....	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Measles .....	..	..	1	..	3	..	4	2	..	..	..	1	2	..	..	..
Scarlatina .....	..	..	3	..	..	..	3	..	..	..	..	..	5	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	2	..	..	2	..	4	..	..	..	..	..	..	..	1	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	..	..	1	4	..	5	..	..	5	1	..	..	4	1	..
Dysentery .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Continued Fever.....	*1	+4	+7	2	..	..	14	4	13	..	3	1	+1	7	..	..
Erysipelas	1	..	..	..	..	..	1	..	..	2	..	..	..	..	..	..
Rheumatism	3	5	2	..	3	1	14	17	..	31	1	4	3	2	3	..
Neuralgic Affections .....	..	..	..	..	..	..	..	..	2	7	..	..	..	..	5	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	6	..	11	..	..	..	3	..	..
Phthisis .....	..	..	1	..	..	..	1	9	..	14	3	..	3	1	1	..
Insanity .....	..	1	..	..	..	1	2	6	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	8	8	8	7	10	13	54	36	..	45	3	5	6	8	22	..
Pleurisy and Pneumonia....	..	..	1	..	2	..	3	3	..	1	..	2	1	..	3	..
Skin Diseases.....	..	2	2	..	..	..	4	15	1	8	..	..	..	9	12	..
Dyspepsia .....	..	..	..	..	3	..	3	..	..	19	..	..	..	1	6	..
Accidents and diseases not classified.....	34	10	16	6	7	11	84	66	42	207	6	6	9	31	8	..
TOTAL	47	32	41	17	35	26	198	165	51	351	17	19	30	66	62	..

* 1 Typhoid, removed to Hospital. † 1 Typhus, removed to Hospital. ‡ 3 Typhus. removed to Hospital.

Medical Officers to whom the Association

- | | | | |
|---------------------|----------------------|----------------------------|--------------------|
| 1) Mr. R. M. MANN. | (5) Dr. JOHN MEDD, | (9) } Mr. W. H. SUTCLIFFE, | (13) Mr. H. RUNCO |
| 2) „ J. BROADBENT, | (6) „ LEDWARD, | (10) } | (14) Dr. WHITEHEAD |
| 3) „ EDWARD MEACHAM | (7) Mr. A. PHILIPPS, | (11) } | (15) Mr. W. GOLLA |
| 4) Dr. BRADDON, | (8) Dr. GEORGE REED, | (12) } „ THOMAS LEEDS, | (16) „ J. TEALE, |

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 18th day of February, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					DEATHS.
... 1,329 .....				... 477 .....			... 646 ...		508.	... 2650			Area in Statute Acres.		
... 70,967. ....				... 68,209. ...			... 44,850 ...		21739	... 24,448			Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
17	18	19	20	21	22	23	24	25	26	27	28				
1	..	5	..	1	..	..	..	2	..	..	..	14	9	Small-pox .....	..
..	1	..	..	..	..	..	..	..	..	..	..	2	..	Chicken-pox .....	..
..	..	2	..	2	..	..	..	..	3	1	2	19	9	Measles	1
..	..	..	..	..	..	..	2	..	..	..	..	10	40	Scarlatina	4
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Diphtheria .....	..
..	..	2	..	..	..	..	..	..	..	..	..	7	24	Whooping-cough ....	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup .....	..
1	..	2	3	..	2	1	1	2	..	1	2	31	73	Diarrhœa	2
..	1	1	..	..	..	..	..	..	..	..	..	3	5	Dysentery .....	..
2	2	**5	..	1	..	2	2	1	1	..	4	53	43	Continued Fever	5
..	..	2	..	..	1	..	..	1	..	..	1	8	17	Erysipelas .....	..
3	..	3	..	3	2	1	7	..	3	2	5	106	86	Rheumatism .....	..
..	3	4	..	..	..	..	..	1	1	1	..	25	27	Neuralgic Affections ..	..
..	2	7	..	..	..	..	..	1	..	..	5	35	29	Constitutional Syphilis	..
1	..	7	..	2	..	..	2	2	1	1	3	52	79	Phthisis	10
..	1	..	..	..	4	..	..	..	..	..	2	15	5	Insanity .....	..
6	3	36	5	9	..	7	9	11	6	10	6	298	389	Bronchitis, Influenza, and Catarrh	13
..	..	2	..	..	..	..	..	1	1	..	..	17	14	Pleurisy & Pneumonia.	2
1	4	2	..	..	..	..	2	2	..	..	2	63	82	Skin Disease	1
1	..	7	1	1	2	..	4	3	3	2	..	54	81	Dyspepsia .....	..
5	6	74	1	3	9	5	4	41	3	14	34	670	806	Accidents and diseases not classified	31
21	23	161	10	22	20	16	33	69	22	32	66	1483	1820	TOTAL	69

‡ 1 Typhus and 1 Febricula.

|| Unvaccinated.

** 1 Typhus.

¶ Typhus.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT.
(27) „ JOHN HOLDEN,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Charlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	a1	..	1	1	..	..	..	..	1	..	4	3
Measles.....	1	..	..	..	..	..	..	..	..	4	..	5	4
Whooping-cough.....	..	..	1	..	..	1	1	..	..	..	1	4	9
Scarlatina.....	..	1	..	1	..	2	1	1	1	1	..	8	29
Diarrhoea.....	..	2	..	1	..	..	..	2	1	1	1	8	4
Fever.....	3	..	b2	1	..	2	d2	..	..	1	..	11	7
Diseases of the Lungs ..	15	12	7	10	1	6	3	5	8	11	3	81	74
Other causes.....	17	8	42	11	10	c13	e15	11	7	27	6	167	146
TOTAL NO. OF DEATHS.	36	24	52	25	12	24	22	19	17	46	11	288	276
TOTAL NO. OF BIRTHS.	41	34	17	18	14	27	24	22	23	50	19	289	356

a Aged 35 years, not vaccinated. b Typhus. c 1 Diphtheria. d 1 Typhus and 1 Typhoid. e 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	TOTAL.	DISEASE.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	TOTAL
4	5	7	16	.....Small-pox.....	94	109	83	286
21	9	8	38	.....Chicken-pox.....	6	9	13	28
115	128	46	289	.....Measles.....	63	95	91	249
53	48	27	128	.....Scarlatina.....	74	59	42	175
2	7	5	14	.....Diphtheria.....	..	..	2	2
56	75	60	191	.....Whooping-cough.....	28	34	26	88
2	6	1	9	.....Croup.....	4	4	1	9
443	355	241	1039	.....Diarrhoea.....	117	127	117	361
4	3	2	9	.....Dysentery.....	9	12	15	36
..	..	..	..	.....Cholera.....	..	..	..	..
26	21	34	81	.....Erysipelas.....	39	29	32	100
..	..	..	..	.....Puerperal Fever.....	..	..	..	..
12	23	17	52	.....Insanity.....	26	31	33	90
1048	1294	1280	3622	..Bronchitis and Catarrh..	987	1240	1135	3362
10	18	18	46	.....Pleurisy.....	92	107	85	284
23	32	28	83	.....Pneumonia.....	..	..	..	..
4	4	4	12	.....Carbuncle.....	..	..	..	..
3378	3795	3345	10518	{ Accidents, and all other Diseases.	4413	5369	4513	14295
5201	5823	5123	16147	.....TOTAL.....	5952	7225	6188	19365

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY: Inches. Wet Days.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Castleton Moor	4.050	.....	15						
Royton	3.820	.....	16						
Old Trafford..	2.931	.....	16						
Eccles.....	2.952	.....	22						
Penketh	2.279	.....	17						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.840	29.838	29.833	29.836	29.826	29.800
Highest.....				30.234	30.280	30.283	29.762	30.362	29.840
Lowest.....				29.160	29.083	29.125	28.654	29.210	28.740
Range.....				1.074	1.192	1.158	1.108	1.152	1.100
Temperature.									
Adopted Mean.....				30.8	30.9	30.3	28.4	30.6	28.3
Range for Week.....				..	26.8	23.6	23.2	28.4	22.8
Daily Range.....				..	14.3	9.9	13.5	11.2	11.0
Maximum in Shade.....				..	43.8	39.6	40.7	42.9	40.0
Minimum in Shade.....				24.1	17.0	16.0	17.5	14.5	17.2
Temperature of Dew Point.....				28.5	26.1	28.9	26.4	25.2	26.3
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.907	0.804	0.950	0.920	0.796	0.920
Prevailing Winds.....				..	NE,S	NE,SE	NE,S	E,SE,SW	W,NW
Rain.....				..	0.606	0.692	0.865	0.490	0.350
Ozonometer.				..	..	..	..	..	..
Moffat.....				..	0.86	1.57	0.00	..	0.00
Schonbein.....				..	1.14	0.00	2.80	3.20	210

February 18, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

OL. V.] WEEK ENDING SATURDAY, FEBRUARY 25, 1865. [No. 239.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 25th ultimo, 1,456 new cases of disease and accidents were seen in the public practice of Manchester and Salford: in the two preceding weeks the respective numbers were 1,498 and 1,483.

The deaths which occurred in connection with the public institutions amounted in the preceding week to 69, but fell in the present return to 54, or 1 in every 27 cases.

Small-pox, unfortunately, still continues very prevalent; and, so far from abating, appears to be on the increase,—in our previous return 14 seizures were recorded, in the present 21. Five of them were met with in the Ardwick Poor Law District; 3 more were admitted as in-patients of the Royal Infirmary. Dr. Reed refers to these cases as malignant confluent ones in unvaccinated persons. It is impossible to investigate any statistics bearing on this disease without being struck by the apathy and neglect which many of the poor still manifest in respect to vaccination.

Under Measles we find 15 seizures, 4 among the patients of the Salford Dispensary, and 3 in the Poor Law District of St. George's, Hulme.

The Scarlet Fever cases fell from 10 to 6. There were, likewise, 3 cases of Croup, and 1 death.

Continued Fever appears to be decreasing, the total number of cases fell from 53 to 39, and those especially designated as Typhus from 12 to 5. Possibly this improvement may be due to the milder weather. The late severe epidemic of Typhus in several of the large towns in Scotland is said to have shown itself especially fatal during the trying cold of the late winter.

Bronchitis and other affections connected with the chest fell from 315 to 307.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 253 deaths were registered in the eleven districts: in the preceding week the total was 288, and in the corresponding one of last year 271.

There were 10 fatal cases of Measles, 3 of which were entered in the St George's District, and 2 in Hulme.

Among the unclassified causes of death 2 are specially referred to as due to Diphtheria. In a late return allusion was made to the reappearance of this highly dangerous affection, after an absence of some months.

At the Royal Infirmary the mean temperature of the air in the week was 38·5°, at Royton, one of the outlying stations, it was as low as 35·4°.

JOHN ED. MORGAN. M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SA

RETURN FROM PAUPER, CHARITABLE, AND PUBL

New Cases of Disease coming under Treatment

MANCHESTER.														
Area in Statute Acres	Manchester Township 1,645													
Population in 1861	,, ,, 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.						
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILD.
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	
	1	2	3	4	5	6		7	8	9	10	11	12	13
Small-pox	2	..	..	..	2	..	4	..	3	..	..	..	1	2
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	2	..	..	1	3	2	..	..	..	..	..	..
Scarlatina .....	..	2	2	..	..	..	4	1	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	1	..	1	..	..	2	..	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea .....	..	2	..	2	1	..	5	1	1	3	..	..	1	8
Dysentery .....	..	1	..	..	..	2	3	..	..	..	..	..	1	..
Continued Fever	*1	..	+2	‡2	..	§1	6	11	‡4	..	..	**1	..	8
Erysipelas .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Rheumatism .....	..	1	2	..	3	1	7	9	3	19	4	4	..	..
Neuralgic Affections .....	..	..	1	..	..	..	1	..	1	2	1	..	..	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	10	..	6	1	..	..	..
Phthisis	1	1	..	1	2	1	6	6	1	18	3	..	1	..
Insanity .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	13	5	5	7	6	40	29	..	42	2	6	7	17
Pleurisy and Pneumonia .....	..	..	..	..	2	..	2	2	1	..	..	3	..	..
Skin Diseases .....	..	..	..	..	3	1	4	8	..	10	..	..	..	4
Dyspepsia .....	..	..	..	..	5	..	5	..	..	36	..	..	2	1
Accidents and diseases not classified	28	7	16	12	4	9	76	55	25	177	5	6	4	48
TOTAL	36	27	30	22	30	22	167	135	39	316	16	20	17	88

* 1 Typhoid, removed to Hospital.

† 1 Febricula.

‡ Typhus, removed to Hospital.

§ Typhus

Medical Officers to whom the Assoc

- 1) Mr. R. M. MANN.
- 2) „ J. BROADBENT,
- 3) „ EDWARD MEACHAM
- 4) Dr. BRADDON,

- (5) Dr. JOHN MEDD,
- (6) „ LEDWARD,
- (7) Mr. A. PHILIPPS,
- (8) Dr. GEORGE REED,

- (9) Mr. W. H. SUTCLIFFE,
- (10) „ WILLIAM G. ROGERS,
- (11) „ THOMAS LEEDS,
- (12)

- (13) Mr. H. R.
- (14) Dr. WHITE
- (15) Mr. W. G.
- (16) „ J. TE

SANITARY ASSOCIATION.

UTIONS OF MANCHESTER AND ADJOINING DISTRICTS.

the Week ending the 25th day of February, 1865.

SALFORD.					HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.					DEATHS.	
..... 1,329 .....					..... 477.....			... 646...		508.	..... 2650.....			Area in Statute Acres.		
..... 70,967. ....					... 68,209. ...			.. 44,850..		21739	..... 24,448			Population in 1861.		
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
16	17	18	19	20	21	22	23	24	25	26	27	28					
..	2	..	2	..	..	..	..	1	1	††5	..	..	21	9	Small-pox	1
..	..	..	..	..	..	..	..	..	..	1	..	..	1	2	Chicken-pox .....	..
1	..	..	4	..	3	2	..	..	..	..	..	..	15	1	Measles .....	..
..	..	..	..	..	..	..	..	..	1	..	..	..	6	24	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	4	16	Whooping-cough ....	..
..	..	..	1	..	1	..	..	..	1	..	..	..	3	..	Croup	1
2	..	..	5	1	..	..	1	..	1	1	2	2	37	56	Diarrhoea	1
1	..	..	1	..	..	..	..	..	..	1	..	..	7	8	Dysentery .....	..
..	†2	..	4	..	..	..	2	..	1	..	..	..	39	37	Continued Fever	4
..	..	1	1	..	..	..	..	..	..	..	1	..	4	16	Erysipelas .....	..
3	2	2	7	..	1	2	2	2	4	2	4	4	83	84	Rheumatism .....	..
..	..	4	3	..	..	..	..	..	..	..	..	..	12	16	Neuralgic Affections ..	..
..	1	..	3	..	..	..	..	1	1	..	..	2	26	37	Constitutional Syphilis	..
..	..	1	9	..	..	..	..	2	1	..	2	2	54	69	Phthisis	7
..	1	1	..	..	1	..	..	..	..	..	..	1	5	9	Insanity .....	..
12	9	3	35	2	6	10	5	11	11	4	13	8	289	354	Bronchitis, Influenza, and Catarrh.....	13	
..	..	..	5	1	..	3	1	..	..	..	..	..	18	21	Pleurisy & Pneumonia.	2
..	2	8	7	..	!	2	..	2	1	2	1	6	66	77	Skin Disease.....	1	
..	..	..	12	1	..	..	..	6	1	2	2	1	76	91	Dyspepsia .....	..
6	8	4	90	2	7	3	5	12	48	5	42	49	690	744	Accidents and diseases not classified.....	23	
25	27	24	189	7	20	22	16	37	72	23	67	75	1456	1672	TOTAL.....	54	

|| Malignant Confluent, Unvaccinated. ¶ 3 Typhus and 1 Febricula. ** Typhoid. †† Modified.

is indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT
(27) „ JOHN HOLDEN,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowe.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox	1	3	1	..	1	..	1	1	..	2	..	2	3
Measles	1	1	1	..	1	..	1	1	..	10	..	10	..
Whooping-cough .....	..	1	..	..	..	..	..	..	..	1	..	1	14
Scarlatina	1	2	..	3	..	..	..	1	..	7	..	7	30
Diarrhoea .....	..	1	..	..	..	1	..	1	..	4	..	4	3
Fever	3	1	2	3	2	1	..	..	..	14	2	14	7
Diseases of the Lungs ..	13	9	5	3	4	6	11	..	12	17	2	82	61
Other causes	8	8	36	10	11	69	10	10	11	15	5	133	153
TOTAL NO. OF DEATHS.	27	25	44	19	18	17	23	13	23	35	9	253	271
TOTAL NO. OF BIRTHS.	26	36	15	16	21	32	34	19	44	59	25	327	332

a 1 Typhoid. b 1 Diptheria and 1 Inquest. c 4 Bronchitis. d 8 Bronchitis. e 1 Diptheria.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	TOTAL.	DISEASE.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	TOTAL
4	5	7	16	..... Small-pox	94	109	83	286
21	9	8	38	..... Chicken-pox	6	9	13	28
115	128	46	289	..... Measles	63	95	91	249
53	48	27	128	..... Scarlatina	74	59	42	175
2	7	5	14	..... Diptheria .....	..	..	2	2
56	75	60	191	.... Whooping-cough	28	34	26	88
2	6	1	9	..... Croup	4	4	1	9
443	355	241	1039	..... Diarrhoea	117	127	117	361
4	3	2	9	..... Dysentery	9	12	15	36
..	..	..	..	..... Cholera .....	..	..	..	..
26	21	34	81	..... Erysipelas	39	29	32	100
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
12	23	17	52	..... Insanity	26	31	33	90
1048	1294	1230	3622	.Bronchitis and Catarrh..	987	1240	1135	3362
10	18	18	46	..... Pleurisy	92	107	85	284
23	32	28	83	..... Pneumonia .....	..	..	..	..
4	4	4	12	..... Carbuncle .....	..	..	..	..
3378	3795	3345	10518	{ Accidents, and all other Diseases. }	4413	5369	4513	14295
5201	5823	5123	16147	..... TOTAL	5932	7225	6188	19365

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JANUARY:			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.							
Castleton Moor	4.050	..... 15						
Royton	3.820	..... 16						
Old Trafford..	2.981	..... 16						
Eccles	2.952	..... 22						
Penketh	2.279	..... 17						
Height of barometer cistern above sea level			130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.000	30.043	30.027	30.018	30.028	30.012
Highest	Unreduced {	.....	30.230	30.286	30.281	29.809	30.390	29.878
Lowest			28.812	28.915	28.861	28.373	28.922	28.440
Range			1.418	1.371	1.420	1.436	1.468	1.438
Temperature.								
Adopted Mean			38.5	36.9	37.2	35.4	38.8	35.4
Range for Week .....			..	26.0	27.0	28.0	29.0	21.9
Daily Range .....			..	12.7	10.7	10.3	9.8	8.8
Maximum in Shade .....			..	50.0	50.3	49.0	51.1	45.5
Minimum in Shade			27.0	24.0	23.3	21.0	22.1	23.6
Temperature of Dew Point			35.7	35.9	36.3	33.6	36.1	33.6
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)			0.896	0.946	0.966	0.967	0.903	0.967
Prevailing Winds				SW, SE	NW	W, NNW	SW, NW	W, NNW
Rain				0.794	0.709	0.880	0.395	1.377
Ozonometer.								
Moffat				1.43	1.24	0.00	.....	0.00
Schonbein				1.71	0.00	1.20	3.70	1.30

February 25, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, MARCH 4, 1865. No. 240

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

The number of new cases of disease and accidents observed in connection with the public Charitable Institutions and Poor Law Unions, in the week terminating on Saturday, the 4th inst., amounted to 1,411: in the preceding week it was 1,456, and in the corresponding one of last year 1,609. At the same time there were 58 deaths, or 1 in every 24 cases.

The seizures from Small-pox fell from 21 to 17. Four of them are reported by Dr. Medd as having come under his observation in the St. Jude's Poor Law District, and 4 more by Mr. Bradbury among the patients of the Salford Dispensary; 3 sufferers from this disease were likewise admitted as in-patients of the Royal Infirmary.

Measles appear to be on the decrease, the respective number of cases for the last three weeks being 19, 15, and 6.

There were only 5 cases of Scarlet Fever, 3 of which are returned from the Salford Dispensary.

Under Continued Fever we find an increase of 10. Of the 49 cases 7 are referred to as examples of Typhus and 3 of Typhoid Fever. Three cases of the former disease are at present patients of the Chorlton Union Workhouse, and 2 more of the Salford Workhouse.

No fewer than 48 new cases of Constitutional Syphilis were seen in the week.

Bronchitis and kindred affections of the chest fell from 307 to 271.

Pleurisy and Pneumonia proved unusually fatal, no fewer than 9 deaths having occurred in public practice alone.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 256 deaths were registered in the eleven districts from which we are favoured with returns: in the corresponding week of last year there were 289.

There were 4 deaths from Small-pox. In 3 of these fatal cases, as we learn from the Registrars, vaccination had never been practised. Two of these occurred in Ardwick, 1 in a male of thirty-six years of age.

Measles proved fatal in 7 cases, 4 of which were met with in Hulme.

The deaths from Continued Fever fell from 14 to 6. Three of these were registered in the Regent Road District, Salford.

At the Royal Infirmary the mean temperature of the air in the week was 41.6°, at Old Trafford it was 40.1°. At the former station the lowest reading was 34.2°, but at Eccles it was 29.2°.

The air, generally, was remarkably humid; at Old Trafford the degree of humidity was 992, or only 8 short of complete saturation.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		" " 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	4	1	5	..	3	..	..	2	..	..	..
Chicken-pox	1	..	1	..	..	..	..	..	..	..	..
Measles	2	1	..
Scarlatina	1	..	..	..	..	1	..	..	..	..	..	..	..	..
Diphtheria
Whooping-cough	2	1	..	3	1	..	..	..	..	..	8	3
Croup
Diarrhoea.....	..	4	..	..	3	..	7	..	..	4	..	..	..	2	2
Dysentery	1	..	..	..	..	1	..	..
Continued Fever.....	..	*6	+2	‡3	1	..	12	8	§1	..	..	..	1	4	..
Erysipelas	1	..	..	1	2	..	..	..	..	..	..	..
Rheumatism	2	2	..	4	..	8	12	3	16	3	4	1	2	2
Neuralgic Affections	1	5	..	..	..	..	2
Constitutional Syphilis	2	2	4	8	..	15	..	2	..	1	4
Phthisis	2	..	1	1	1	5	5	..	17	2	3	2	1	2
Insanity	1	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	8	15	2	1	5	5	36	22	1	33	3	6	8	16	15
Pleurisy and Pneumonia.....	1	1	2	..	5	2	3	..	..	1
Skin Diseases.....	1	2	1	..	4	..	8	22	1	22	..	..	..	2	14
Dyspepsia	1	..	..	3	..	4	..	..	35	..	..	..	2	8
Accidents and diseases not classified.....	17	9	12	3	4	14	59	52	43	166	6	6	2	51	11
TOTAL.....	26	42	19	11	33	24	155	136	53	318	16	26	17	85	64

* 3 Febricula. † 1 Febricula. ‡ 1 Typhus and 2 Febricula. § 1 Typhoid.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Dr. JOHN MEDD,

(6) „ LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REED,
- (9) } Mr. W. H. SUTCLIFFE,

(10) } „ WILLIAM G. ROGERS,

(11) } „ THOMAS LEEDS,

(12) }
- (13) Mr. H. RUNCORN,

(14) Dr. WHITEHEAD,

(15) Mr. W. GOLLA,

(16) „ J. TEALE

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 4th day of March, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477			646		508.	2650				Area in Statute Acres.		
70,967.				68,209. ..			44,850 ..		21739	24,448				Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
17	18	19	20	21	22	23	24	25	26	27	28					
..	1	4	..	..	..	..	..	..	1	..	1	17	10	Small-pox .....	..
..	1	..	..	..	..	..	..	..	..	..	..	2	1	Chicken-pox .....	..
..	..	..	..	1	1	..	..	..	..	1	..	6	3	Measles .....	..
..	..	3	..	..	..	..	..	..	1	..	..	5	37	Scarlatina	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	2	..	..	..	..	..	..	..	..	..	12	14	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Croup .....	..
..	..	3	4	..	5	1	..	2	..	1	3	35	41	Diarrhoea	1	
..	..	..	..	..	..	..	..	..	..	..	..	2	3	Dysentery .....	..
3	13	6	..	1	2	2	..	1	..	..	**3	49	38	Continued Fever	3
..	..	1	..	..	..	..	..	1	..	..	..	5	5	Erysipelas	1
1	..	5	..	2	1	1	1	4	1	3	4	74	65	Rheumatism .....	..
..	..	..	..	..	..	..	..	2	..	..	..	10	12	Neuralgic Affections ..	..
..	..	5	..	..	..	..	1	..	..	1	6	48	35	Constitutional Syphilis	..
..	..	9	..	1	..	..	1	1	..	2	2	54	58	Phthisis	6
..	2	..	..	..	..	..	1	1	1	..	3	14	15	Insanity .....	..
..	1	33	3	2	15	5	8	8	4	11	9	252	350	Bronchitis, Influenza, and Catarrh	7	
..	..	2	..	..	..	..	..	2	..	..	1	19	13	Pleurisy & Pneumonia.	9
1	3	8	..	..	..	1	1	3	2	1	7	99	80	Skin Disease .....	..
..	1	7	1	..	1	..	5	3	..	2	..	74	77	Dyspepsia .....	..
5	5	91	2	8	..	6	7	29	4	41	27	634	750	Accidents and diseases not classified	29	
10	17	179	10	15	25	16	25	57	14	63	69	1411	1609	TOTAL	58	

1 Typhus and 1 Gastric, removed to Hospital.

2 Typhus.

** Typhus.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT
(27) „ JOHN HOLDEN,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Lippie.	Pendleton Dis., Mr. Fowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	a1	a1	..	..	..	..	..	..	..	a2	4	3
Measles.....	1	..	..	..	..	1	..	..	..	4	1	7	1
Whooping-cough.....	..	1	1	..	..	..	1	..	..	..	..	3	12
Scarlatina.....	1	1	..	2	..	1	..	..	..	1	1	7	22
Diarrhoea.....	1	1	1	..	..	..	..	..	1	3	..	7	2
Fever.....	2	1	..	..	..	..	e3	..	..	..	..	6	13
Diseases of the Lungs ..	18	10	6	10	1	7	2	1	5	10	2	72	77
Other causes.....	9	16	28	8	9	b18	d14	e13	f14	17	4	150	159
TOTAL NO. OF DEATHS.	32	31	37	20	10	27	20	14	20	35	10	256	289
TOTAL NO. OF BIRTHS.	55	28	10	25	19	25	29	27	45	67	24	354	329

a Unvaccinated. b 1 Croup and 2 Inquests. c 2 Typhus. d 4 Inquests. e 2 Croup. f 1 Carbuncle.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	TOTAL.	DISEASE.	4 Weeks ending 26th Nov.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	TOTAL.
4	5	7	16	.....Small-pox.....	94	109	83	286
21	9	8	38	..... Chicken-pox	6	9	13	28
115	128	46	289	..... Measles	63	95	91	249
53	48	27	128	.....Scarlatina.....	74	59	42	175
2	7	5	14	..... Diphtheria .....	..	..	2	2
56	75	60	191	.... Whooping-cough	28	34	26	88
2	6	1	9	.....Croup.....	4	4	1	9
443	355	241	1039	.....Diarrhoea.....	117	127	117	361
4	3	2	9	.....Dysentery.....	9	12	15	36
..	..	..	..	..... Cholera .....	..	..	..	..
26	21	34	81	.....Erysipelas.....	39	29	32	100
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
12	23	17	52	..... Insanity	26	31	33	90
1048	1294	1230	3622	..Bronchitis and Catarrh..	987	1240	1135	3362
10	18	18	46	..... Pleurisy	92	107	85	284
23	32	28	83	..... Pneumonia .....	..	..	..	..
4	4	4	12	..... Carbuncle .....	..	..	..	..
3378	3795	3345	10518	{ Accidents, and all other Diseases. }	4413	5369	4513	14295
5201	5823	5123	16147	..... TOTAL	5952	7225	6188	19365

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN FEBRUARY:				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T.MACKERRETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Royton	2.930	.....	14						
Castleton Moor	2.768	.....	12						
Eccles.....	2.489	.....	16						
Old Trafford..	2.357	.....	17						
Penketh	1.971	.....	17						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.806	29.852	29.842	29.816	29.838	29.816
Highest.....				30.236	30.220	30.259	29.778	30.342	29.830
Lowest				29.241	29.280	29.253	28.765	29.350	28.838
Range				1.005	0.940	1.006	1.013	0.992	0.992
Temperature.									
Adopted Mean				41.6	40.1	40.3	38.3	41.0	38.8
Range for Week .....				..	19.8	20.2	20.2	19.7	16.3
Daily Range .....				..	13.5	10.7	12.0	10.7	9.9
Maximum in Shade .....				..	50.8	49.4	49.5	50.5	46.4
Minimum in Shade				34.2	31.0	29.2	29.3	30.3	30.1
Temperature of Dew Point				39.0	39.8	38.5	37.3	39.1	36.6
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.912	0.992	0.936	0.952	0.936	0.917
Prevailing Winds .....				..	SW,SE	NW,W	SW,NW	NW,W	WNW,SW
Rain .....				..	1.035	1.172	1.282	1.255	1.433
Ozonometer.									
Moffat .....				..	1.14	2.85	0.00	.....	0.00
Schonbein .....				..	1.23	0.00	3.1	5.2	2.6

March 4, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, MARCH 11, 1865. No. 241

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 11th inst., the number of new cases of disease and of injuries occasioned by accidents amounted to 1,410, or 1 less than in the previous week.

Under the majority of the zymotic disorders we observe an improvement. Thus, the Small-pox seizures fell from 17 to 11, and those from Whooping Cough from 12 to 7.

Scarlet Fever contributed 8 cases to the present return; to that which preceded it only 5. Three of them occurred among the patients of Salford Dispensary, and 2 among those of the Ardwick Poor Law District.

There were 48 cases of Continued Fever, of which 7 are entered as Typhus and 4 as Typhoid. Three of the sufferers from the former disease are at present patients of the Salford Workhouse.

The seizures from affections of the Bronchitic order, which a fortnight ago exceeded 300, fell last week to 263.

A favourable feature in connection with the present disease return is the decrease in the number of deaths observed in public practice. In the previous week these deaths amounted to 58; last week they fell to 40, or 1 in every 35 cases. This proportion of cases to deaths is about 5 below the average which prevailed during the last two years.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 244 deaths were registered in the eleven districts from which we receive our returns: in the preceding week the number was 256, and in the corresponding one of last year 233.

There were 10 deaths from Fever, or 4 more than in the previous return. The mortality, likewise, arising from diseases of the respiratory organs exhibits an increase, the respective numbers in the two weeks being 72 and 80.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 37.3° , at the Royal Infirmary it was 36.6° , at Old Trafford 36.2° , and at Eccles 36.4° . At the Infirmary the thermometer did not fall below 30° , but at Royton, one of the outlying stations, it descended to 23.8° .

At Old Trafford no ozone was detected, but at Penketh 4.70 degrees.

JOHN ED. MORGAN, M.B., M.A., Hon Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALE

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								" " 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	†1	..	1	2	..	1	..	..	1	1	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	1	..	..	2	..	3	..	..	..	..	..	1	..	..
Scarlatina .....	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	1	1	1	..	..	..	..	..	..	4
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	1	..	..	1	1	3	3	..	3	..	..	..	..	4
Dysentery .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Continued Fever.....	*2	..	†1	1	..	‡2	6	14	..	..	..	..	*1	8	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Rheumatism	2	1	1	..	4	..	8	6	2	15	2	..	2	..	..
Neuralgic Affections.....	..	..	..	..	1	..	1	..	4	4	..	..	..	..	2
Constitutional Syphilis .....	..	..	..	..	..	..	..	5	..	9	..	..	..	1	..
Phthisis .....	..	..	1	1	2	2	6	5	2	13	3	2	1	..	3
Insanity .....	..	1	..	..	..	..	1	2	..	1	..	..	..	..	..
Bronchitis, Influenza & Catarrh	3	9	1	2	9	6	30	34	..	39	4	8	8	9	16
Pleurisy and Pneumonia....	3	1	..	..	2	..	6	..	..	3	2	1	..	..	1
Skin Diseases.....	4	..	..	..	2	..	6	11	1	20	..	..	..	5	14
Dyspepsia .....	..	..	..	..	1	..	1	3	..	33	..	1	..	1	12
Accidents and diseases not classified.....	20	12	24	3	7	10	76	42	31	198	4	8	5	60	9
TOTAL	34	27	28	8	31	24	152	126	41	339	15	21	19	84	65

* 1 Typhoid. † Typhus, removed to Hospital. ‡ Removed to Hospital. § 1 Typhus and 1 Typhoid.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Dr. JOHN MEDD,

(6) „ LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REED,
- (9) } Mr. W. H. SUTCLIFFE,

(10) } „ WILLIAM G. ROGERS,

(11) } „ THOMAS LEEDS,

(12) }
- (13) Mr. H. RUNCOE,

(14) Dr. WHITEHEAD,

(15) Mr. W. GOLLAN,

(16) „ J. TEALE,

Sanitary Association.

Sanitary Association of Manchester and Adjoining Districts.

Week ending the 11th day of March, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477.....			646...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448				Population in 1861.		
LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.	
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anecats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
17	18	19	20	21	22	23	24	25	26	27	28					
1	..	2	..	**1	..	..	..	1	1	..	..	11	9	Small-pox .....	..
..	..	..	..	..	..	1	..	..	..	..	..	1	..	Chicken-pox .....	..
..	..	..	..	1	..	..	..	..	..	..	1	6	7	Measles .....	..
..	..	3	..	..	..	..	..	..	2	1	..	8	27	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria .....	..
..	..	..	..	..	..	..	..	1	..	..	..	7	12	Whooping-cough ....	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup .....	..
..	..	5	4	..	..	3	1	3	..	..	3	33	40	Diarrhoea	2
..	..	..	..	..	1	..	..	..	..	..	1	3	8	Dysentery .....	..
2	14	4	..	††1	1	2	..	..	1	..	††1	48	40	Continued Fever	3
..	..	2	..	..	..	..	..	2	..	..	1	7	13	Erysipelas .....	..
..	1	7	..	3	1	..	..	3	2	3	2	61	89	Rheumatism .....	..
..	..	1	..	..	..	..	..	..	..	..	1	13	13	Neuralgic Affections ..	..
..	1	2	..	1	..	..	..	..	..	2	4	26	31	Constitutional Syphilis	..
..	..	17	..	1	..	..	1	1	..	2	..	57	104	Phthisis	7
..	1	..	..	..	..	..	2	..	..	..	11	18	13	Insanity .....	..
3	..	33	5	2	10	3	2	10	3	14	11	246	328	Bronchitis, Influenza, and Catarrh.....	8	
..	..	1	..	..	..	..	..	..	..	..	3	17	26	Pleurisy & Pneumonia.	1
2	5	4	..	1	..	..	2	1	2	1	7	84	83	Skin Disease.....	..
..	..	9	..	..	..	1	2	2	1	3	1	71	97	Dyspepsia .....	..
4	5	96	..	5	4	4	9	46	5	40	27	692	765	Accidents and diseases not classified.....	19	
12	17	186	9	16	17	14	19	71	17	66	74	1410	1706	TOTAL.....	40	

|| 2 Typhoid and 1 Febricula. || 3 Typhus. ** Modified. ++ Typhus.

debted for the annexed Returns.

- | | | |
|-------------------------|---------------------------|-------------------------|
| (17) Dr. SAMUEL BOOTH, | (21) Mr. JOHN SMITH, | (25) Mr. JOHN RAYNER, |
| (18) Mr. M. O. LARMUTH, | (22) Dr. ALEX. WILSON, | (26) „ J.V.L.WESTMACOTT |
| (19) „ J. O. BRADBURY, | (23) Mr. H. M.WILLIAMSON. | (27) „ JOHN HOLDEN, |
| (20) „ W. B. STOTT, | (24) „ JOSEPH FOSTER, | (28) „ J. WATSON. |

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's' Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Lipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	1	..	..	1	..	..	..	..	..	2	5
Measles	1	..	..	..	..	..	..	..	..	..	..	2	2
Whooping-cough.....	..	..	..	..	..	..	..	1	..	..	..	1	7
Scarlatina	1	..	2	..	1	..	1	..	1	..	..	6	17
Diarrhoea .....	..	..	2	..	..	..	1	1	..	1	..	5	5
Fever	1	2	a1	2	b1	..	b1	..	g2	..	..	10	5
Diseases of the Lungs ..	13	15	6	5	..	9	5	..	7	16	4	80	70
Other causes.....	15	9	31	3	c18	d7	e13	f12	7	18	5	138	122
TOTAL NO. OF DEATHS.	31	26	43	10	20	17	22	14	17	35	9	244	233
TOTAL NO. OF BIRTHS.	62	49	11	19	15	37	22	23	25	69	17	349	333

a Typhus. b Typhoid. c 5 Bronchitis. d 3 Inquests. e 1 Inquest. f 3 Bronchitis. g 1 Typhoid and 1 Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	TOTAL.	DISEASE.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	TOTAL
5	7	14	26	.....Small-pox.....	109	83	71	263
9	8	..	17	.....Chicken-pox.....	9	13	5	27
128	46	38	212	.....Measles.....	95	91	59	245
48	27	23	103	.....Scarlatina.....	59	42	27	128
7	5	5	17	.....Diphtheria.....	..	2	2	4
75	60	57	192	....Whooping-cough....	34	26	25	85
6	1	..	7	.....Croup.....	4	1	7	12
355	241	230	826	.....Diarrhoea.....	127	117	106	350
3	2	3	8	.....Dysentery.....	12	15	13	40
..	..	..	..	.....Cholera.....	..	..	..	..
21	34	14	69	.....Erysipelas.....	29	32	23	89
..	..	..	..	....Puerperal Fever....	..	..	..	..
23	17	13	53	.....Insanity.....	31	33	42	106
1294	1280	1206	3780	.Bronchitis and Catarrh..	1240	1135	1194	3569
18	13	16	52	.....Pleurisy.....	107	85	82	274
32	23	11	71	.....Pneumonia.....				
4	4	2	10	.....Carbuncle.....	..	..	..	..
3795	3345	3301	10441	{ Accidents, and all other Diseases. }	5369	4513	4333	14215
5823	5123	4943	15389	.....TOTAL.....	7225	6188	5994	19407

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN FEBRUARY:				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T.MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches.		Wet Days.							
Royton	2.930	.....	14						
Castleton Moor	2.768	.....	12						
Eccles.....	2.489	.....	16						
Old Trafford..	2.357	.....	17						
Penketh	1.971	.....	17						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.643	29.729	29.699	29.667	29.704	29.699
Highest.....				29.979	29.976	29.979	29.510	30.094	29.590
Lowest				29.216	29.160	29.197	28.700	29.274	28.815
Range				0.763	0.816	0.782	0.810	0.820	0.775
Temperature.									
Adopted Mean				36.6	36.2	36.4	35.0	36.8	34.5
Range for Week .....				....	21.4	20.6	22.2	20.9	18.2
Daily Range .....				..	15.3	12.6	15.0	13.0	11.2
Maximum in Shade .....				....	46.6	46.2	46.0	46.2	43.2
Minimum in Shade				30.0	25.2	25.6	23.8	25.3	25.0
Temperature of Dew Point				31.7	33.0	30.7	29.3	31.4	31.5
Hygrometrical condition of the Atmosphere				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.803	0.887	0.801	0.810	0.806	0.890
Prevailing Winds					W,NW	NW	NW	W,NW	N,NE
Rain					0.363	0.249	0.285	0.242	0.186
Ozonometer.									
Moffat					0.00	2.14	0.00	.....	0.00
Schonbein					0.00	0.00	2.44	4.70	1.10

March 11, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, MARCH 18, 1865.

No. 242.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on the 18th inst. 1,394 new cases of disease and injuries occasioned by accidents were observed by the medical officers connected with the various Charitable Institutions and Poor Law Districts: in the preceding week there were 1,410, and in the corresponding one of last year 1,731. At the same time the deaths in public practice amounted to 49, or 1 in 35 seizures.

The return under the zymotic disorders may, on the whole, be considered decidedly satisfactory. Of 12 cases of Small-pox 4 occurred in the Ardwick Poor Law District, and 2 more were admitted as in-patients of the Royal Infirmary.

There were 6 cases of Measles, of which 4 appear among the patients of the Chorlton Workhouse.

The Scarlet Fever cases fell from 8 to 5. Three of the cases are reported by Mr. Meacham as having come under his observation in the St. George's District, and the remaining 2 were among patients of the Chorlton Dispensary.

Continued Fever appears to have remained nearly stationary during the last three weeks the respective numbers being 49, 48, and 48. Of the 48 cases in the present return 5 are referred to as examples of Typhus and 3 of Typhoid Fever.

Bronchitis and kindred affections of the chest fell from 263 to 239.

Of 59 cases of Consumption no fewer than 31 were out-patients of the Royal Infirmary.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 251 deaths were registered in the eleven districts from which we are favoured with returns. Three are ascribed to Small-pox and 3 to Measles.

In the corresponding week of last year 18 deaths were registered under Scarlet Fever, last week only 3.

Of 9 deaths from Fever 5 were entered in the Market Street District; 4 of them occurred at the Manchester Workhouse.

In the Deansgate District 34 deaths were registered, but 19 were the deaths of persons on whom it was deemed necessary to hold an inquest. These did not all occur during the week.

In the Hulme District 1 death is ascribed to Carbuncle.

At the Royal Infirmary the mean temperature in the week was 37.1° , at Old Trafford 36.4° , and at Eccles 36.5° . At the Infirmary the weekly range did not exceed 15.6° , but at Old Trafford it was 23.2° .

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN		
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	1	2	..	1	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Scarlatina .....	..	..	3	..	..	..	3	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	2	..	2	..	..	2	..	1	..	1	..
Croup .....	..	..	i	..	..	..	1	..	..	..	..	..	..	..	..
Diarrhœa.....	..	..	..	..	1	..	1	..	..	..	..	..	..	4	2
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	*1	2	..	4	1	†4	12	13	‡1	..	..	..	||2	5	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Rheumatism .....	..	1	2	1	3	..	7	9	1	18	3	2	2	2	5
Neuralgic Affections .....	..	..	..	..	..	..	..	..	6	6	..	..	..	..	2
Constitutional Syphilis .....	..	..	..	..	..	..	..	6	1	12	..	..	..	1	..
Phthisis .....	..	..	..	..	2	..	2	3	..	31	3	2	..	..	4
Insanity .....	..	1	..	..	..	..	1	2	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	9	1	4	9	1	29	15	1	27	4	2	4	12	16
Pleurisy and Pneumonia....	3	..	..	1	1	1	6	1	..	2	1	1	..	..	2
Skin Diseases.....	1	4	..	2	2	..	9	14	..	19	..	..	..	8	15
Dyspepsia .....	..	3	..	..	3	..	6	..	..	36	..	..	..	3	7
Accidents and diseases not classified.....	36	10	11	5	5	5	72	40	28	208	3	5	8	47	17
TOTAL	46	30	18	18	29	11	152	104	39	361	15	13	17	83	70

* Typhus, removed to Hospital. † 2 Typhus. ‡ Typhoid. || Typhoid, 1 removed to Workhouse.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Dr. JOHN MEDD,

(6) „ LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REED,
- (9) } Mr. W. H. SUTCLIFFE,

(10) } „ WILLIAM G. ROGERS,

(11) } „ THOMAS LEEDS,

(12) }
- (13) Mr. H. RUNCOM,

(14) Dr. WHITEHEAD,

(15) Mr. W. GOLLAN,

(16) „ J. TEALE,

UNITARY ASSOCIATION.

S OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 18th day of March, 1865.

ALFORD.			HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.					DEATHS.
1,329			477.			646. ...		508.		2650.....			Area in Statute Acres.		
70,967.			68,209.			44,850..		21739		24,448			Population in 1861.		
PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anecats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
18	19	20	21	22	23	24	25	26	27	28					
1	1	..	..	1	..	..	..	4	..	1	12	11	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	1	3	Chicken-pox .....	..
..	..	..	..	..	..	..	..	..	1	4	6	4	Measles .....	..
..	..	..	..	..	..	..	2	..	..	..	5	22	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	..	..	..	6	24	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	1	2	Croup .....	..
..	3	2	..	..	..	..	1	..	1	6	23	51	Diarrhoea	1
..	..	..	..	..	..	..	..	..	..	..	..	2	Dysentery .....	..
2	2	..	1	1	2	4	..	1	..	1	48	26	Continued Fever	3	
1	..	..	1	..	1	..	..	..	..	..	4	13	Erysipelas .....	..
..	6	1	2	1	..	2	2	2	3	6	78	76	Rheumatism .....	..
2	2	..	..	..	..	..	..	..	..	..	17	14	Neuralgic Affections ..	..
1	4	..	..	..	..	..	1	..	1	5	32	31	Constitutional Syphilis	..
..	8	..	1	..	1	..	1	..	2	1	59	90	Phthisis	5	
1	..	..	..	..	..	1	..	..	..	3	8	11	Insanity .....	..
2	29	4	2	9	4	6	20	2	12	10	222	316	Bronchitis, Influenza, and Catarrh.....	7	
..	2	..	1	..	..	..	..	..	1	..	17	15	Pleurisy & Pneumonia.	2
3	10	..	1	..	..	..	..	1	1	10	94	78	Skin Disease.....	..
1	10	..	..	..	..	1	1	1	4	1	72	96	Dyspepsia .....	..
7	94	1	4	4	4	10	33	4	36	45	689	846	Accidents and diseases not classified.....	29	
21	171	8	13	16	12	24	61	15	62	93	1394	1731	TOTAL.....	49	

1 Typhus.

ebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J.V.L.WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowler.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Charlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	1	1	..	..	..	1	..	1	..	1	3	3
Measles.....	2	..	1	..	..	2	..	1	..	..	1	3	..
Whooping-cough.....	1	..	..	1	..	1	..	..	..	..	..	6	9
Scarlatina.....	1	..	..	..	..	1	..	..	..	..	..	3	18
Diarrhoea.....	1	..	..	..	..	1	..	1	1	..	..	4	4
Fever.....	..	..	a5	b1	..	1	..	..	e1	..	g1	9	8
Diseases of the Lungs ..	16	10	5	5	..	5	3	..	7	15	h5	71	75
Other causes.....	20	11	12	8	c34	7	16	d16	5	f19	4	152	154
TOTAL NO. OF DEATHS.	40	22	24	15	34	17	20	18	15	34	12	251	271
TOTAL NO. OF BIRTHS.	53	44	22	17	21	37	31	19	33	88	18	383	394

a 4 Typhus. b Typhoid. c 19 Inquests. d 1 Croup, 2 Bronchitis, and 1 Inquest. e Gastric, aged 2 years.
f 1 Carbuncle. g Typhus. h Bronchitis.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	1 Weeks ending 25th eb.	TOTAL.	DISEASE.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	TOTAL
5	7	14	26	.....Small-pox.....	109	83	71	263
9	8	..	17	..... Chicken-pox	9	13	5	27
128	46	38	212	..... Measles	95	91	59	245
48	27	28	103	.....Scarlatina.....	59	42	27	128
7	5	5	17	..... Diphtheria .....	..	2	2	4
75	60	57	192	.... Whooping-cough	34	26	25	85
6	1	..	7	.....Croup.....	4	1	7	12
355	241	230	826	.....Diarrhoea.....	127	117	106	350
3	2	3	8	.....Dysentery.....	12	15	13	40
21	34	14	69	..... Cholera .....	..	..	..	..
..	..	..	..	.....Erysipelas.....	29	32	23	89
23	17	18	58	.... Puerperal Fever ....	..	..	..	..
1294	1280	1206	3780	..... Insanity	31	33	42	106
18	18	16	52	.....Bronchitis and Catarrh..	1240	1135	1194	3569
32	28	11	71	..... Pleurisy	107	85	82	274
4	4	2	10	.....Pneumonia .....	..	..	..	..
3795	3345	3301	10441	.....Carbuncle.....	..	..	..	..
5823	5123	4943	15889	{ Accidents, and all other Diseases. }	5369	4513	4333	14215
				..... TOTAL	7225	6188	5994	19407

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN FEBRUARY: Inches. Wet Days.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Royton	2.930	14						
Castleton Moor	2.768	12						
Eccles.....	2.489	16						
Old Trafford..	2.357	17						
Penketh	1.971	17						
Height of barometer cistern above sea level.....			130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....			30.002	30.017	30.058	30.024	30.002	
Highest.....			30.022	30.024	30.063	29.583	30.142	
Lowest			29.697	29.714	29.705	29.252	29.800	
Range			0.325	0.310	0.358	0.331	0.342	
Temperature.								
Adopted Mean			37.1	36.4	36.5	35.8	36.7	
Range for Week			15.6	23.2	21.0	19.9	23.4	
Daily Range			7.5	12.2	10.4	9.8	11.9	
Maximum in Shade			45.6	48.0	44.9	43.9	46.4	
Minimum in Shade			30.0	24.8	23.9	24.0	23.0	
Temperature of Dew Point			32.3	33.5	30.7	30.7	30.6	
Hygrometrical condition of the Atmosphere			GRS.	GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000).....			0.830	0.896	0.794	0.819	0.784	
Prevailing Winds				NE,E	NE,SE	NE,SE	NE,SE	
Rain				0.010	0.015	0.030	0.042	
Ozenometer.								
Moffat				0.86	0.71	0.00	.....
Schonbein				1.00	0.00	1.67	2.2	

March 18, 1865.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, MARCH 25, 1865.

No. 243.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 25th of March, the number of new cases of disease and injuries occasioned by accidents amounted to 1,244: in the two preceding weeks the number was 1,410 and 1,394, and in the corresponding one of last year 1,392. Looked at as a whole the return may be deemed unusually satisfactory. With the single exception of Small pox all the zymotic diseases were below the average.

In the two preceding weeks Small-pox contributed 11 and 12 cases to the return; last week the number rose to 18. Seven of the sufferers applied for relief to the Royal Infirmary, and 3 more to the Chorlton Dispensary. Mr. Rayner, the House Surgeon of that Institution, informs us that "two of these cases occurred in neighbourhoods where the disease has been prevalent, the third in a part of the district where it had not before been noticed."

There were only 3 cases of Measles, and 3 of Scarlet Fever. Two of the latter occurred among the patients of the Salford Dispensary.

The cases of Continued Fever fell from 48 to 31. Of this number 4 proved examples of Typhus and 1 of Typhoid Fever. One of the Typhus cases came under the observation of Dr. Booth, in the Regent Road District, Salford. The patient was ordered to be removed to the Hospital. Dr. Booth remarks that the dwelling in which it occurred (No. 2, Broadhead's Court, Garden Street, Salford,) is unfit for human habitation." It is to be hoped, therefore, that the authorities will not any longer allow it to be occupied.

The seizures from Bronchitis and kindred chest affections again exhibit a slight decrease.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

The favourable state of the public health indicated by our disease return is still further confirmed by the statistics of the registrars, only 219 deaths being recorded in the eleven districts: in the two preceding weeks the respective numbers were 214 and 251.

It is satisfactory to find, likewise, that, in the last return of the Registrar General, Salford and Bristol exhibit the lowest rate of mortality among the nine great cities whose death-rate is recorded, while Manchester comes third on the list.

The deaths from Continued Fever fell from 9 to 6, and those from Whooping Cough from 6 to 1. At the same time none of the other zymotic diseases proved at all excessive.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 34.0°, at the Infirmary it was 33.8°, and at Old Trafford 32.5°. At the Infirmary the thermometer did not fall below 27.9°, but at Royton, one of the outlying stations, it was as low as 20°.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	*1	..	1	..	..	1	3	2	3	..	2	1	1	1	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	1	..	1	..	..	2	..	..	..	1	..	..	..	..
Scarlatina .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	1	..	..	2	..	3	..	..	2	..	..	..	4	5
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	†3	..	..	..	..	..	3	8	‡1	..	..	3	†1	4	..
Erysipelas .....	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..
Rheumatism	2	1	..	1	2	..	6	9	3	13	3	1	2	1	2
Neuralgic Affections.....	1	..	..	..	..	..	1	..	2	4	2	..	1	..	1
Constitutional Syphilis .....	..	..	..	..	..	..	..	9	..	10	..	..	..	3	1
Phthisis .....	..	2	..	..	..	..	2	1	..	14	2	2	2	1	1
Insanity .....	..	..	..	1	..	..	1	6	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	3	3	3	4	6	8	27	15	1	40	3	4	2	8	19
Pleurisy and Pneumonia....	..	1	..	..	2	..	3	4	..	2	..	1	1	..	1
Skin Diseases.....	..	..	..	2	..	1	3	10	..	14	1	..	..	4	16
Dyspepsia .....	..	..	..	..	..	..	..	..	..	26	..	..	..	7	8
Accidents and diseases not classified.....	23	8	12	4	7	11	65	52	37	179	2	3	8	57	14
TOTAL.....	33	17	17	13	19	22	121	116	47	305	17	15	18	90	70

* Removed to Hospital. † Typhus, removed to Workhouse. ‡ Typhus. § Typhoid.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) " J. BROADBENT,

(3) " EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Dr. JOHN MEDD,

(6) " LEDWARD,

(7) Mr. A. PHILLIPS,

(8) Dr. GEORGE REED,
- (9)

(10) Mr. W. H. SUTCLIFFE,

(11) " WILLIAM G. ROGERS,

(12) " THOMAS LEELS,
- (13) Mr. H. RUNCO

(14) Dr. WHITEHEAD

(15) Mr. W. GOLLA

(16) " J. TEALE

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 25th day of March, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					
1,329				477			646		508.	2650			Area in Statute Acres.		
70,967.				68,209.			44,850		21739	24,448			Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anecats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	1	..	..	..	..	..	..	||3	..	1	..	18	16	Small-pox .....	..
..	2	..	..	..	..	..	..	..	..	..	..	2	3	Chicken-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	3	3	Measles .....	..
..	..	2	..	..	..	..	..	..	..	..	..	3	17	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	..	..	..	..	3	22	Whooping-cough ....	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup	1
..	..	2	1	..	..	..	..	1	..	..	2	22	34	Diarrhoea .....	..
..	..	3	..	..	..	..	..	..	..	..	..	3	2	Dysentery .....	..
+1	1	4	..	..	..	1	..	..	1	..	2	31	39	Continued Fever	4
..	1	1	..	1	..	..	..	..	..	..	..	6	6	Erysipelas	1
2	..	8	..	..	1	2	..	..	..	3	8	65	65	Rheumatism .....	..
..	..	2	..	..	..	..	..	..	..	..	1	14	14	Neuralgic Affections ..	..
..	1	5	..	..	..	..	2	..	..	1	4	36	38	Constitutional Syphilis	..
..	1	9	..	1	..	..	..	1	1	3	..	41	76	Phthisis	13
..	1	..	..	..	..	..	..	..	..	..	..	9	14	Insanity .....	..
5	2	21	3	6	6	2	2	13	5	10	10	211	257	Bronchitis, Influenza, and Catarrh.....	8
..	..	1	..	2	1	..	..	2	..	..	3	21	19	Pleurisy & Pneumonia.	..
1	2	11	1	..	..	..	4	3	1	..	8	81	77	Skin Disease.....	..
..	..	13	..	1	5	..	2	2	1	3	..	70	73	Dyspepsia .....	..
2	5	59	..	4	1	3	4	22	5	40	35	604	617	Accidents and diseases not classified.....	29
11	17	141	5	15	14	8	14	48	14	61	73	1244	1392	TOTAL.....	56

|| All Vaccinated.

ndebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
 (18) Mr. M. O. LARMUTH,
 (19) „ J. O. BRADBURY,
 (20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
 (22) Dr. ALLX. WILSON,
 (23) Mr. H. M. WILLIAMSON.
 (24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
 (26) „ J.V.L.WESTMACOTT,
 (27) „ JAMES SHACKLETON,
 (28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiptle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	1	1	..	..	..	1	..	..	..	..	1	2	2
Measles	2	1	..	..	..	1	..	..	..	..	1	5	1
Whooping-cough.....	..	1	..	..	..	..	..	..	..	..	..	1	7
Scarlatina	2	..	..	..	..	..	..	1	..	..	..	3	19
Diarrhœa	1	1	..	..	..	..	..	..	..	2	..	4	3
Fever .....	..	1	a1	b1	..	..	..	..	e1	1	1	6	4
Diseases of the Lungs ..	17	11	4	7	1	8	3	..	6	11	g6	74	56
Other causes.....	10	13	21	7	5	e17	d12	8	f9	20	2	124	133
TOTAL NO. OF DEATHS.	33	28	26	15	6	27	15	9	16	34	10	219	225
TOTAL NO. OF BIRTHS.	50	43	10	16	17	47	34	14	42	37	16	326	310

a Typhus. b Typhoid. c 4 Croup and 1 Inquest. d 3 Inquests. e Aged 44 years. f 2 Croup.
g Bronchitis.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	TOTAL.	DISEASE.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	TOTAL
5	7	14	26	.....Small-pox.....	109	83	71	263
9	8	..	17	.....Chicken-pox.....	9	13	5	27
128	46	38	212	.....Measles.....	95	91	59	245
48	27	23	103	.....Scarlatina.....	59	42	27	128
7	5	5	17	.....Diphtheria.....	..	2	2	4
75	60	57	192	....Whooping-cough....	34	26	25	85
6	1	..	7	.....Croup.....	4	1	7	12
355	241	230	826	.....Diarrhœa.....	127	117	106	350
3	2	3	8	.....Dysentery.....	12	15	13	40
..	..	..	..	.....Cholera.....	..	..	..	..
21	34	14	69	.....Erysipelas.....	29	32	23	89
..	..	..	..	....Puerperal Fever....	..	..	..	..
23	17	18	58	.....Insanity.....	31	33	42	106
1294	1230	1206	3730	..Bronchitis and Catarrh..	1240	1135	1194	3569
18	18	16	52	.....Pleurisy.....	107	85	82	274
32	23	11	71	.....Pneumonia.....	..	..	..	..
4	4	2	10	.....Carbuncle.....	..	..	..	..
3795	3345	3301	10441	{ Accidents, and all other Diseases. }	5369	4513	4333	14215
5823	5123	4943	15389	.....TOTAL.....	7225	6188	5994	19407

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN FEBRUARY: Inches. Wet Days.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Royton	2.930	.....	14						
Castleton Moor	2.768	.....	12						
Eccles.....	2.489	.....	16						
Old Trafford..	2.357	.....	17						
Penketh	1.971	.....	17						
Height of barometer cistern above sea level.....	130 ft.	123 ft.	118 ft.	522 ft.	39 ft.	475 ft.			
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....	29.918	29.948	29.838	29.859	29.941	29.922			
Highest.....	30.053	30.078	30.085	29.607	30.174	29.620			
Lowest.....	29.307	29.288	29.309	28.825	29.402	28.892			
Range	0.746	0.790	0.776	0.782	0.772	0.728			
Temperature.									
Adopted Mean	33.8	32.5	33.7	32.2	33.8	31.8			
Range for Week	15.1	19.5	20.7	23.0	22.6	20.9			
Daily Range	8.2	13.0	12.9	14.0	13.7	12.7			
Maximum in Shade	43.0	45.0	44.4	43.0	44.3	42.1			
Minimum in Shade	27.9	25.5	23.7	20.0	21.7	21.2			
Temperature of Dew Point	30.0	29.8	31.2	23.0	27.0	26.0			
Hygrometrical condition of the Atmosphere				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....	0.860	0.890	0.893	0.396	0.760	0.774			
Prevailing Winds		E, NE, NW	NE	E, NE	E, N	NE			
Rain		0.520	0.590	0.400	0.382	0.338			
Oxonometer.									
Moffat		0.00	1.85	0.00	.....	.....	
Schonbein		0.00	0.00	1.70	1.70	1.60			

March 25, 1865.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, APRIL 1, 1865.

No. 244.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 1st of April, the number of new cases of disease and injuries occasioned by accidents observed in the public practice of Manchester and Salford rose from 1,244 (the number recorded in the preceding week) to 1,377.

There were 18 cases of Small-pox, the same number as in the previous return; 4 of them were seen in St. Jude's Poor Law District, and 3 more among the in-patients of the Royal Infirmary. Dr. Reed remarks, in reference to 2 of these cases, that they are "confluent malignant ones," and that the subjects of them had never been vaccinated.

Of 4 cases of Scarlet Fever 3 were met with in St. Jude's District. Two of the 5 cases of Measles, likewise, occurred in this quarter of the town. Hence it enjoys a somewhat unenviable notoriety in respect to the exanthematous disorders.

The seizures from Continued Fever rose from 31 to 48. Four of them are distinctly referred to as examples of Typhus and 4 more of Typhoid Fever. One of the latter cases occurred in St. Michael's District. Dr. Ledward specially refers to it "as the second case of Typhoid Fever in the same dwelling in fourteen days. It is situated over a cesspool, and is unfit for a human habitation."

Under Bronchitis and kindred affections of the chest we find a slight increase,—238 against 232 cases being returned. On the other hand the deaths rose from 8 to 13.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 364 deaths were registered in the eleven districts from which returns are received. It must be borne in mind, however, that the week was the one in which the Coroners send in their returns to the Registrars. Hence 92 were deaths on the subjects of which it was deemed proper to hold an inquest. These inquest cases were probably distributed in tolerably equal proportions over the thirteen weeks of which the quarter was made up. The actual number of deaths, therefore, may be estimated at about 280.

To this total Small-pox contributed 8. These 8 deaths probably represent some 120 new cases. This number sufficiently demonstrates that all has not been done in the way of vaccination that might have been done. One of the patients who died in the Pendleton district is specially referred to as having never been vaccinated.

From Scarlet Fever there was only 1 death; in the corresponding week of last year there were 21.

The deaths from diseases of the lungs rose from 74 to 91.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 37·6°, at the Royal Infirmary it was 39·0°, at Old Trafford 39·1°, and at Eccles 39·2°. Thus the weather here was warmer than in the neighbourhood of London.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		" " 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN	
	1	2	3	4	5	6		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
Small-pox .....	..	..	..	..	4	..	4	1	3	..	1	1	1	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..
Scarlatina .....	..	..	..	..	3	..	3	..	..	..	..	1	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	1	1	..	..	..	2	..	..	1	..	1	1	2	5
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	*1	1	2	1	3	†1	9	10	†1	..	..	†3	..	10	..
Erysipelas	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..
Rheumatism .....	..	4	2	1	..	2	13	19	3	12	2	..	..	3	2
Neuralgic Affections .....	..	..	..	..	..	..	..	..	2	5	1	..	..	..	2
Constitutional Syphilis .....	..	..	..	..	1	1	2	3	..	16	..	..	1	..	1
Phthisis	1	..	3	..	..	..	4	6	..	10	5	1	1	2	3
Insanity .....	..	1	..	..	1	..	2	2	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	6	9	8	3	..	6	32	15	2	29	1	6	7	2	22
Pleurisy and Pneumonia....	4	..	1	1	2	..	8	3	..	1	..	1	3	1	..
Skin Diseases.....	1	..	1	..	1	..	3	9	..	19	1	..	1	2	17
Dyspepsia	1	1	..	..	2	..	4	4	..	31	..	..	1	7	9
Accidents and diseases not classified.....	37	9	23	11	8	21	109	58	25	180	7	9	11	53	10
TOTAL	52	26	41	17	31	31	198	130	36	304	19	23	27	82	73

* Removed to Hospital.

† 1 Typhoid.

‡ 1 Typhoid, removed to Workhouse.

§ 2 Typhus.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON,

- (5) Mr. OCTAVIOUS DEAN,
(6) „ LEDWARD,
(7) Mr. A. PHILLIPS,
(8) Dr. GEORGE REED,

- (9) Mr. W. H. SUTCLIFFE,
(10) „ WILLIAM G. ROGERS,
(11) „ THOMAS LEEDS,
(12) „

- (13) Mr. H. RUNCO,
(14) Dr. WHITEHEAD,
(15) Mr. W. GOLLA,
(16) „ J. TEALE,

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 1st day of April, 1865.

SALFORD.					HULME.			CHORLTON.		ARD-WICK.		PENDLETON AND PENDLEBURY.			Area in Statute Acres. Population in 1861.		DEATHS.	
..... 1,329 .....					..... 477. ....			.. 646. ...		508.		..... 2650.....			.....24,448		
..... 70,967. ....					.. 68,209. ...			.. 44,850 ..		21739							
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.		
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.				
6	17	18	19	20	21	22	23	24	25	26	27	28						
..	1	..	1	..	..	..	1	¶1	2	1	..	..	18	10	Small-pox		3
..	Chicken-pox .....		..
..	1	..	1	..	..	..	1	..	5	14	Measles .....		..
..	4	24	Scarlatina .....		..
..	1	Diphtheria .....		..
..	..	1	..	..	..	..	..	..	..	..	..	..	3	24	Whooping-cough ....		..
..	Croup .....		..
1	3	1	..	2	..	..	1	..	..	3	25	38	Diarrhœa .....		..
..	5	Dysentery .....		..
1	..	§2	§5	..	||2	..	..	2	..	3	..	..	48	24	Continued Fever		3
..	1	..	..	..	..	..	..	3	4	Erysipelas .....		..
4	7	1	3	..	1	..	4	1	4	5	84	89	Rheumatism .....		..
..	10	13	Neuralgic Affections ..		..
..	6	..	..	..	..	..	..	..	1	5	35	31	Constitutional Syphilis		1	
1	..	1	8	..	..	..	1	..	1	1	2	2	49	62	Phthisis		12
..	..	2	..	..	..	..	..	..	..	..	..	1	7	17	Insanity .....		..
9	..	4	24	2	4	6	5	7	6	4	16	6	210	275	Bronchitis, Influenza, and Catarrh.....		10	
..	1	..	1	..	2	..	1	..	..	6	28	17	Pleurisy & Pneumonia.		3	
..	..	3	9	..	..	..	..	..	..	..	1	14	79	72	Skin Disease.....		..
..	1	..	13	..	2	4	1	..	2	..	3	1	86	73	Dyspepsia .....		..
..	4	4	76	2	8	7	4	1	33	4	37	30	683	709	Accidents and diseases not classified.....		18	
6	17	153	6	21	20	16	11	50	14	65	73	1377	1502	TOTAL.....		50		

¶ Febricula. ¶ Modified, aged 21 years.

ndeighted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	1	..	3	..	2	..	..	g1	h1	..	..	8	1
Measles .....	..	2	..	..	..	..	..	..	..	2	..	4	5
Whooping-cough.....	..	..	2	2	..	..	..	..	..	..	..	5	8
Scarlatina .....	..	..	..	..	..	..	1	..	..	..	..	1	21
Diarrhoea	2	..	..	..	1	..	1	..	..	..	..	5	4
Fever .....	..	..	5	2	..	2	..	..	1	..	..	10	8
Diseases of the Lungs ..	24	10	4	6	d3	6	3	..	9	16	h10	91	71
Other causes.....	a43	b33	27	30	e13	f8	e15	6	i21	j38	f6	240	248
TOTAL NO. OF DEATHS.	71	46	41	40	19	16	20	7	32	56	16	364	366
TOTAL NO. OF BIRTHS.	49	31	24	16	12	33	27	29	30	118	19	388	336

a 32 Inquests. b 20 Inquests. c 1 Typhus and 1 Typhoid. d Bronchitis. e 2 Inquests. f 3 Inquests.
g Not vaccinated, aged 18 years. h Aged 52 years. i 11 Inquests. j 24 Inquests. k 7 Bronchitis.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	TOTAL.	DISEASE.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	TOTAL
5	7	14	26	.....Small-pox.....	109	83	71	263
9	8	..	17	.....Chicken-pox.....	9	13	5	27
128	46	38	212	.....Measles.....	95	91	59	245
48	27	23	103	.....Scarlatina.....	59	42	27	128
7	5	5	17	.....Diphtheria.....	..	2	2	4
75	60	57	192	....Whooping-cough....	34	26	25	85
6	1	..	7	.....Croup.....	4	1	7	12
355	241	230	826	.....Diarrhoea.....	127	117	106	350
3	2	3	8	.....Dysentery.....	12	15	13	40
..	..	..	..	.....Cholera.....	..	..	..	..
21	34	14	69	.....Erysipelas.....	29	32	23	89
..	..	..	..	....Puerperal Fever....	..	..	..	..
23	17	18	58	.....Insanity.....	31	33	42	106
1294	1230	1206	3780	.Bronchitis and Catarrh..	1240	1135	1194	3569
18	18	16	52	.....Pleurisy.....	107	85	82	274
32	28	11	71	.....Pneumonia.....				
4	4	2	10	.....Carbuncle.....	..	..	..	..
3795	3345	3301	10441	{ Accidents, and all other Diseases. }	5369	4513	4333	14215
5823	5123	4943	15839	.....TOTAL.....	7225	6188	5994	19407

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN MARCH.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Eccles.....	1.721	.....12							
Penketh ..	1.690	.....12							
Old Trafford..	1.676	.....13							
Royton	1.607	.....12							
Castleton Moor	1.431	.....12							
Height of barometer eisternabove sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.990	29.981	30.044	29.994	30.050	29.998
Highest.....		Unreduced {		30.150	30.158	30.175	29.699	30.265	29.776
Lowest				29.464	29.424	29.485	29.000	29.578	29.036
Range				0.686	0.734	0.690	0.699	0.687	0.740
Temperature.									
Adopted Mean				39.0	39.1	39.2	37.9	39.6	37.5
Range for Week				21.1	28.7	28.0	27.4	28.6	25.8
Daily Range.....				7.7	16.3	13.7	13.6	14.4	12.4
Maximum in Shade				50.3	55.7	54.0	53.0	54.0	50.8
Minimum in Shade				29.2	27.0	26.0	25.6	27.4	25.0
Temperature of Dew Point				34.6	37.7	38.3	34.2	35.0	33.7
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.848	0.952	0.963	0.862	0.840	0.858
Prevailing Winds					NE,W	N,SE	NE,SW	S,SW	SE,NE
Rain					0.122	0.137	0.160	0.152	0.113
Ozonometer.									
Moffat					0.28	1.14	0.00	.....	.....
Schonbein					0.14	0.00	2.15	3.60	0.50

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, APRIL 8, 1865.

No. 245.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 8th instant, the number of new cases of disease and injuries occasioned by accidents which occurred in the public practice of Manchester and Salford amounted to 1,464: in the preceding week it was 1,377, and in the corresponding one of last year 1,709.

There were 14 cases of Small-pox, 4 fewer than in our preceding return; 3 of them were admitted as in-patients of the Royal Infirmary.

Under Scarlet Fever we find only 3 seizures; 2 of the patients were removed to the Royal Infirmary.

Continued Fever attacked 57 persons; 14 of them are returned from the Manchester Workhouse, and 14 more from St. Mary's Hospital.

Consumption proved unusually fatal. No fewer than 14 deaths from this disease were observed in the course of public practice alone. We see here apparently an instance of the effects produced by a change in the weather, even when that change is for the better. The long-continued cold seemed, after a time, to prove less trying than when it first set in. The mass of the population, to all appearance, became acclimatized to it. When, however, the change came, the mortality from diseases of the respiratory organs, and especially Consumption, increased.

Bronchitis, Pleurisy, and Pneumonia, caused 14 more deaths. Thus 28 of the 72 fatal cases of disease which occurred in connection with the Hospitals and Poor Law Districts were due to one or other of the various forms of pulmonary disease.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 240 deaths were registered in the eleven districts of the Association: in the preceding week the number was estimated at 280.

Of the zymotic diseases Continued Fever proved the most fatal; it carried off 12 persons. Six more died of Measles, and 2 of Scarlet Fever.

In the preceding return there were 8 deaths from Small-pox, last week only 1. The subject of it was a child, eighteen months old, which had never been vaccinated.

One death from English Cholera is recorded, after an attack which only lasted eighteen hours.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 48.2° , at the Royal Infirmary it was 47.1° , at Eccles 48.5° , and at Old Trafford 48.6° . At Penketh, one of the outlying stations, it was 49.1° .

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	1	..	1	2	3	1	..	1	1	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles .....	..	..	1	..	..	2	3	..	..	1	..	..	1	..	..
Scarlatina .....	..	..	..	..	..	..	..	..	2	..	..	1	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	4
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	1	1	1	..	1	..	4	..	..	..	..	..	..	1	1
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Continued Fever.....	1	..	2	..	1	3	7	14	*1	..	..	1	1	14	..
Erysipelas .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Rheumatism	3	1	..	..	1	..	5	21	2	18	1	1	3	2	3
Neuralgic Affections .....	..	..	1	..	..	..	1	..	3	4	1	..	..	..	1
Constitutional Syphilis .....	..	..	1	..	..	..	1	3	..	14	..	..	..	..	..
Phthisis .....	..	..	1	3	2	1	7	6	1	38	..	2	1	1	2
Insanity	1	..	..	..	..	1	2	6	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	8	3	2	13	4	34	15	..	40	3	6	8	6	17
Pleurisy and Pneumonia....	1	..	..	..	..	..	1	2	..	2	..	1	..	1	1
Skin Diseases.....	..	..	1	..	..	2	3	11	..	19	..	..	..	3	23
Dyspepsia .....	..	1	..	..	..	..	1	..	..	33	..	..	..	5	12
Accidents and diseases not classified.....	37	10	25	7	20	13	112	54	42	202	5	16	14	56	10
TOTAL.....	48	21	37	12	39	27	184	134	54	372	10	30	29	89	75

* Typhoid.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Mr. OCTAVIOUS DEAN,

(6) „ LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REED,
- (9) Mr. W. H. SUTCLIFFE,

(10) „ GEORGE CLEMENTS,

(11) „ THOMAS LEEDS,

(12) „
- (13) Mr. H. RUNNELL,

(14) Dr. WHITEHEAD,

(15) Mr. W. GOLDING,

(16) „ J. TEAL,

Week ending the 8th day of April, 1865.

† Typhus. ‡ Modified.

s indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
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(25) Mr. JOHN RAYNER,
(26) „ J.V.L.WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	91	1	2
Measles .....	..	3	..	..	..	1	..	..	..	2	..	6	3
Whooping-cough.....	..	1	..	..	..	..	..	..	..	1	..	2	4
Scarlatina .....	..	..	..	..	..	1	..	..	1	..	..	2	20
Diarrhoea .....	..	..	..	21	..	1	..	..	..	..	..	2	1
Fever	1	1	3	2	52	51	21	21	..	..	..	12	10
Diseases of the Lungs ..	17	13	4	6	3	6	212	..	6	10	6	83	63
Other causes.....	15	12	22	8	15	212	8	7	8	16	9	132	127
TOTAL NO. OF DEATHS.	33	30	29	17	20	22	21	8	15	29	16	240	230
TOTAL NO. OF BIRTHS.	42	38	11	31	23	29	26	21	38	57	30	346	356

a English Cholera, 18 hours. b 1 Typhoid. c 2 Inquests. d Typhus. e 6 Bronchitis and 1 Croup.
f Gastric. g Aged 18 months, not vaccinated.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	TOTAL.	DISEASE.	5 Weeks ending 31st Dec.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	TOTAL
5	7	14	26	.....Small-pox.....	109	83	71	263
9	8	..	17	.....Chicken-pox.....	9	13	5	27
128	46	38	212	.....Measles.....	95	91	59	245
48	27	28	103	.....Scarlatina.....	59	42	27	128
7	5	5	17	.....Diphtheria.....	..	2	2	4
75	60	57	192	....Whooping-cough....	34	26	25	85
6	1	..	7	.....Croup.....	4	1	7	12
355	241	230	826	.....Diarrhoea.....	127	117	106	350
3	2	3	8	.....Dysentery.....	12	15	13	40
..	..	..	..	.....Cholera.....	..	..	..	..
21	34	14	69	.....Erysipelas.....	29	32	23	89
..	..	..	..	....Puerperal Fever....	..	..	..	..
23	17	18	58	.....Insanity.....	31	33	42	106
1294	1280	1206	3780	..Bronchitis and Catarrh..	1240	1135	1194	3569
18	18	16	52	.....Pleurisy.....	107	85	82	274
32	28	11	71	.....Pneumonia.....				
4	4	2	10	.....Carbuncle.....	..	..	..	..
3795	3345	3301	10441	{ Accidents, and all other Diseases. }	5369	4513	4333	14215
5823	5123	4943	15839	.....TOTAL.....	7225	6188	5994	19407

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERRETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Eccles.....	1.721	.....12							
Penketh ..	1.690	.....12							
Old Trafford..	1.676	.....13							
Royton	1.607	.....12							
Castleton Moor	1.396	.....12							
Height of barometer cistern above sea level.....	130 ft.	123 ft.	118ft.	522 ft.	39 ft.	475 ft.			
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....	30.058	30.088	30.075	30.041	30.072	30.046			
Highest.....	30.146	30.162	30.179	29.686	30.254	29.770			
Lowest.....	29.740	29.733	29.733	29.267	29.830	29.363			
Range	0.406	0.429	0.446	0.419	0.424	0.407			
Temperature.									
Adopted Mean	47.1	48.6	48.5	46.8	49.1	46.4			
Range for Week	22.0	32.8	34.6	34.1	33.3	31.2			
Daily Range.....	9.2	19.2	16.8	17.2	18.5	16.4			
Maximum in Shade	57.0	63.3	64.5	62.2	66.0	60.7			
Minimum in Shade	35.0	30.5	29.9	28.1	27.7	29.5			
Temperature of Dew Point	41.1	42.8	47.0	43.0	40.8	42.1			
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....	0.802	0.810	0.951	0.874	0.735	0.860			
Prevailing Winds		S,SE	S,W	SW,SE	S,SW	SW,SE			
Rain		0.156	0.149	0.150	0.174	0.154			
Ozonometer.									
Moffat		0.71	0.43	0.00	.....	.....	
Schonbein		0.57	0.00	1.00	2.10	0.10			

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, APRIL 15, 1865.

No. 246.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 15th instant, 1,438 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford: in the preceding week there were 1,464, and in the corresponding one of last year 1,477. Hence there is not above the average amount of sickness.

There were 15 cases of Small-pox and 3 deaths, an unusually high proportion; 5 of them occurred among the patients of the Salford Dispensary,—two in a single house, 1 of which, in a person who had never been vaccinated, proved confluent. Two more patients were admitted into the Royal Infirmary, and 2 into the Manchester Workhouse.

The seizures from Diarrhoea and Dysentery rose from 20 to 36, probably in consequence of the mildness of the weather. To this cause, also, must probably be ascribed a decrease under Bronchitis and kindred chest affections, amounting to 34 cases.

Under Continued Fever there is again a rise, the respective number of cases for the three last weeks being 48, 57, and 63; no fewer than 12 are referred to as examples of Typhus and 7 of Typhoid Fever. Four of the former cases came under the observation of Mr. Broadbent in the St. Andrew's District, and were removed to the Hospital; the remainder were scattered over various parts of the town.

A case of spinal Meningitis was observed among the patients of the Salford Dispensary. The subject of the disease, a little boy, was affected with strong tonic spasms of the arms, legs, and back. The origin of the disorder was apparently idiopathic.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 223 deaths were registered in the eleven districts of the Association: in the preceding week they were considerably more numerous, amounting to 240.

The most unsatisfactory feature in the death return is the increasing mortality of Fever. During the three last weeks the respective numbers were 10, 12, and 17; the great majority were undoubtedly due to Typhus Fever.

The deaths from Diseases of the Lungs fell from 83 to 59. There was only 1 fatal case of Scarlet Fever.

In London the deaths exceeded the average by 121; 72 of them are attributed to Fever. This number, though considerable, contrasts favourably with the Manchester return.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 52.4°, at the Royal Infirmary it was 48.5°, at Old Trafford 49.1°, at Eccles 49.7°, and at Penketh 50.0°.

The Committee of the Sanitary Association will have heard, with deep regret, that Dr. SAMUEL BOOTH, Medical Officer of the Regent Road District, Salford, died of Typhus Fever in the course of the week. He was a constant and zealous contributor to the Weekly Returns. The disease which terminated his life was contracted in the discharge of his duties.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALE

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN		
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox	1	..	..	..	..	1	2	2	2	..	1	..	..	1	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	2	..	..	..	2	..	..	..	..	..	..	..	..	..
Scarlatina .....	..	..	..	..	..	1	1	..	..	..	..	..	1	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	3	3	..	..	..	..	..	..	1	4	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	3	..	..	..	..	3	..	..	..	..	..	..	6	4	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Continued Fever.....	*1	†4	1	..	1	‡1	8	19	§2	..	..	†2	||4	5	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Rheumatism	1	..	..	..	..	1	2	18	2	15	1	1	..	1	..	..
Neuralgic Affections .....	..	..	1	..	..	..	1	..	2	1	..	..	..	..	2	..
Constitutional Syphilis	1	..	..	1	..	..	2	5	..	10	..	..	..	..	2	..
Phthisis .....	..	2	..	1	..	..	3	..	..	29	1	4	..	2	3	..
Insanity .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	2	4	3	5	5	21	20	1	38	1	2	3	5	12	..
Pleurisy and Pneumonia.....	2	..	2	..	1	..	5	..	..	2	1	..	4	..	..	..
Skin Diseases.....	4	..	1	3	4	..	12	9	..	18	..	..	..	5	9	..
Dyspepsia .....	..	1	..	1	..	..	2	5	1	38	..	1	..	..	3	..
Accidents and diseases not classified.....	28	11	12	2	9	17	79	36	27	294	2	5	3	60	7	..
TOTAL	40	23	24	11	20	29	147	114	37	445	7	15	16	87	46	..

* Typhoid. † Typhus, removed to Hospital. ‡ Febricula. § 1 Typhus and 1 Typhoid. || 2 Typhus and 2 Typhoid.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON,

(5) Mr. OCTAVIOUS DEAN,
(6) „ LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REED,

(9) } Mr. W. H. SUTCLIFFE,
(10) } „ GEORGE CLEMENTS,
(11) } „ THOMAS LEEDS,
(12) }

(13) Mr. H. RUNCO,
(14) Dr. WHITEHEAD,
(15) Mr. W. GOLLA,
(16) „ J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 15th day of April, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477.			646. ...		508.	2650.			Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448			Population in 1861.		
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anecats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.										St. Philip's
17	18	19	20	21	22	23	24	25	26	27	28				
..	1	**5	..	..	..	..	..	..	1	..	..	15	9	Small-pox	3
..	1	..	..	..	..	..	..	..	..	..	..	1	2	Chicken-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	2	9	Measles .....	..
..	..	2	..	2	..	..	..	..	..	..	..	6	26	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	2	..	..	..	..	..	..	..	..	..	10	12	Whooping-cough ....	..
..	..	..	..	..	..	..	..	1	..	..	..	1	1	Croup .....	..
3	..	2	3	..	2	..	1	3	1	..	3	32	29	Diarrhoea .....	..
..	..	1	..	1	..	..	..	..	..	..	..	4	..	Dysentery .....	..
1	..	††5	..	†3	..	3	2	1	4	1	††2	63	36	Continued Fever	6
..	2	1	..	..	..	..	..	..	..	1	..	5	3	Erysipelas .....	..
3	..	7	..	1	..	1	2	2	1	2	1	60	68	Rheumatism .....	..
..	..	2	..	..	..	..	..	1	..	..	..	9	17	Neuralgic Affections ..	..
..	1	8	..	..	..	..	..	1	..	..	..	31	19	Constitutional Syphilis	..
1	1	10	..	..	..	..	..	1	..	1	1	57	65	Phthisis	6
..	..	1	..	..	..	..	1	..	..	..	11	14	11	Insanity	1
6	4	24	2	1	4	4	4	6	4	10	4	181	205	Bronchitis, Influenza, and Catarrh.....	6
..	..	2	..	..	..	..	..	1	..	1	..	16	18	Pleurisy & Pneumonia.	3
1	3	13	..	..	..	..	..	2	1	..	5	78	71	Skin Disease.....	..
..	..	11	..	..	2	..	1	3	..	3	..	72	89	Dyspepsia .....	..
8	3	97	2	4	1	2	2	37	6	37	63	781	737	Accidents and diseases not classified.....	30
23	16	193	7	12	9	10	13	59	18	56	90	1438	1477	TOTAL.....	56

removed to Hospital. ** 2 in same house, 1 Confluent not vaccinated. †† 2 Typhoid and 1 Typhus. ‡‡ Typhus.

ndebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J.V.L.WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	3	1	..	2	1	..	..	..	1	..	2	..
Measles .....	..	..	1	..	..	1	..	..	..	..	..	3	5
Whooping-cough .....	..	..	..	..	..	..	2	..	..	1	..	1	29
Scarlatina	1	..	..	..	..	..	..	..	..	..	..	4	1
Diarrhoea	1	1	..	..	..	..	..	2	..	..	..	17	6
Fever .....	..	3	25	..	1	1	24	..	21	91	1	59	46
Diseases of the Lungs ..	10	9	3	3	2	5	4	22	5	13	3	130	129
Other causes	7	12	19	15	9	10	13	12	12	14	7	223	218
TOTAL NO. OF DEATHS.	19	28	29	18	14	17	23	16	18	30	11	291	314
TOTAL NO. OF BIRTHS.	34	34	25	11	19	26	32	16	29	43	22	291	314

a 4 Typhus and 1 Typhoid. b 3 Inquests. c Typhus. d Bronchitis. e Gastric, aged 2 years.
f 4 Convulsions. g Brain Fever.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	TOTAL.	DISEASE.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	TOTAL
7	14	17	38	..... Small-pox	83	71	76	230
8	..	7	15	..... Chicken-pox	13	5	6	24
46	38	50	134	..... Measles	91	59	26	176
27	28	39	94	..... Scarlatina	42	27	25	94
5	5	3	13	..... Diphtheria	2	2	..	4
60	57	110	227	.... Whooping-cough	26	25	31	82
1	..	4	5	..... Croup	1	7	3	11
241	230	328	799	..... Diarrhoea	117	106	133	361
2	3	1	6	..... Dysentery	15	13	8	36
..	..	..	..	..... Cholera .....	..	..	..	..
34	14	32	80	..... Erysipelas	32	23	25	85
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
17	18	20	55	..... Insanity	33	42	56	131
1280	1206	1739	4225	.. Bronchitis and Catarrh ..	1135	1194	1141	3470
18	16	18	52	..... Pleurisy	85	82	102	269
28	11	44	83	..... Pneumonia .....	..	..	..	..
4	2	7	13	..... Carbuncle .....	..	..	..	..
3345	3301	4863	11509	{ Accidents, and all other Diseases. }	4513	4333	5199	14045
5123	4943	7282	17348	..... TOTAL	6188	5994	6836	19018

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Eccles	1.721	12							
Penketh	1.690	12							
Old Trafford ..	1.676	13							
Royton	1.607	12							
Castleton Moor	1.396	12							
Height of barometer cistern above sea level				130 ft.	123 ft	118 ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				30.120	30.150	30.149	30.145	30.141	30.139
Highest				30.206	30.270	30.307	29.800	30.358	29.880
Lowest				29.828	29.873	29.895	29.407	29.968	29.517
Range				0.378	0.397	0.412	0.393	0.390	0.363
Temperature.									
Adopted Mean				48.5	49.1	49.7	48.7	50.0	48.5
Range for Week				17.5	35.3	37.0	36.6	40.2	32.6
Daily Range				8.6	22.5	21.9	21.1	24.1	18.1
Maximum in Shade				57.5	63.3	63.7	68.9	70.1	65.2
Minimum in Shade				40.0	33.0	31.7	32.3	29.9	32.6
Temperature of Dew Point				44.3	43.5	47.6	42.2	43.2	42.0
Hygrometrical condition of the Atmosphere				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)				0.860	0.812	0.930	0.784	0.775	0.784
Prevailing Winds					NE, SE	NE, N	NE, SW	NE, NW	NE, SW
Rain					0.346	0.252	0.640	0.368	0.498
Ozonometer.									
Moffat					0.00	0.71	0.00	.....	.....
Schonbein					0.00	0.00	0.75	1.50	0.80

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, APRIL 22, 1865.

No. 247

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 22nd instant, 1,465 new cases of disease and injuries occasioned by accidents were seen in the public practice of Manchester and Salford: in the preceding week there were 1,438, and in the corresponding one of last year 1,524. Though there is nothing unusual in the numbers recorded, the return still contains some highly unsatisfactory items.

There is a very decided increase under Small-pox,—there were no fewer than 24 cases; in the two preceding weeks the respective numbers were 14 and 15. Eight new cases were admitted as in-patients of the Royal Infirmary.

In the preceding week there were only 6 cases of Scarlet Fever, last week there were 10.

By far the most unfavourable feature in the present catalogue of diseases is contained in the Fever column. Of 58 cases of Continued Fever no fewer than 29 were due to Typhus. These figures certainly approach very near to what may be termed epidemic intensity. At the Salford Workhouse no fewer than 12 cases were admitted,—at that of Chorlton 5.

Mr. Meacham refers to a case of Consumption, in which the disease proved fatal in eight hours after he was summoned to attend. In referring to this patient (a woman thirty-eight years of age) he remarks:—"I have never seen a case so utterly neglected by a drunken husband; the man could not have been sober when his poor wife died."

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 244 deaths were registered in the eleven districts from which the returns of the Sanitary Association are derived. Four of the number are ascribed to Small-pox, and 12 to Fever.

There is a considerable improvement under the deaths from diseases of the respiratory organs. In the two preceding weeks the respective numbers were 83 and 59; last week they did not exceed 50.

In London, according to the last return of the Registrar General, the deaths exceeded the average by 164.

At Greenwich Observatory the mean temperature of the air in the week was 56.0°, at Old Trafford it was 53.4°, and at Eccles 53.5°. At the Southern station the highest temperature in the shade was 76.7°; at Eccles, last week, the warmest of the Manchester stations it was 74.0°. Thus the air in the neighbourhood of London was milder than about Manchester.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS New Cases of Disease coming under Treatment

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN			
	1	2	3	4	5	6		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol
Small-pox	1	*1	..	..	1	2	5	2	8	..	13	..	1	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	1	..	..	2	3	1	..	1	..	..	..	..	1	..
Scarlatina .....	..	..	..	..	..	..	..	..	1	..	..	8	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	1	..	..	..	3	4	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	..	..	..	..	..	..	..	..	2	..	..	..	4	3	..
Dysentery .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..
Continued Fever.....	..	†3	..	..	2	†2	7	2	‡2	..	..	†1	¶1	7	..	..
Erysipelas .....	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..
Rheumatism	2	1	3	1	1	1	9	10	1	27	2	2	2	..	3	..
Neuralgic Affections.....	..	..	..	..	..	..	..	..	3	4	..	..	..	..	4	..
Constitutional Syphilis .....	..	..	..	1	..	1	2	9	..	15	..	..	1	..	..	2
Phthisis .....	..	1	1	..	..	..	2	1	..	22	..	1	1	..	1	..
Insanity .....	..	..	..	..	..	1	1	4	..	..	..	..	..	..	..	1
Bronchitis, Influenza & Catarrh	1	7	..	3	3	8	22	4	1	36	..	11	4	4	25	..
Pleurisy and Pneumonia....	2	..	..	..	1	1	4	..	1	2	..	1	2	..	..	..
Skin Diseases.....	..	1	..	1	1	1	4	13	..	29	..	2	..	5	29	..
Dyspepsia .....	..	..	..	..	3	..	3	..	..	36	1	..	..	..	19	..
Accidents and diseases not classified.....	33	7	10	7	6	23	86	47	34	230	6	2	13	51	22	2
TOTAL	39	21	15	13	18	43	149	94	51	406	13	23	25	74	111	7

* Not vaccinated.

† Typhus, removed to Hospital.

‡ 1 Typhus, removed to Hospital.

§ 1 Typhus and 1 Typhoid.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.
 (2) „ J. BROADBENT,
 (3) „ EDWARD MEACHAM,
 (4) Dr. BRADDON,

- (5) Mr. OCTAVIOUS DEAN,
 (6) „ LEDWARD,
 (7) Mr. A. PHILIPPS,
 (8) Dr. GEORGE REED,

- (9) } Mr. THOMAS LEEDS,
 (10) } „ W. H. SUTCLIFFE,
 (11) } „ GEORGE CLEMENTS,
 (12) }

- (13) Mr. H. RUNCOR
 (14) Dr. WHITEHEAD
 (15) Mr. W. GOLLAN
 (16) „ J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 22nd day of April, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.		PENDLETON AND PENDLEBURY.				Area in Statute Acres. Population in 1861.		DEATHS.
.. 1,329 .....				.... 477. ....			.. 646. ...		508.		..... 2650.....				
.. 70,967. ....				.. 68,209. ..			.. 44,850..		21739		..... 24,448				
POOR LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.				
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.								St. Philip's			
17	18	19	20	21	22	23	24	25	26	27	28			DISEASES.			
..	..	1	..	..	..	1	..	1	1	..	..	24	8	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Chicken-pox .....	..	
..	..	..	..	2	..	..	..	..	..	..	..	8	16	Measles .....	..	
..	..	2	..	..	..	2	..	..	..	2	..	10	17	Scarlatina .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	8	12	Whooping-cough ....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..	
..	..	3	2	..	..	..	..	..	1	..	3	21	23	Diarrhœa .....	..	
..	..	..	..	..	..	1	..	..	..	..	..	3	5	Dysentery .....	..	
a4	a12	2	..	..	..	1	4	..	3	a1	a5	58	39	Continued Fever	10
..	..	3	..	..	..	..	..	..	1	1	3	11	3	Erysipelas .....	..	
..	..	9	..	1	2	..	2	3	2	2	7	84	81	Rheumatism .....	..	
..	..	2	..	..	..	..	..	..	..	..	..	13	12	Neuralgic Affections ..	..	
..	..	4	..	..	..	..	..	..	..	..	5	38	35	Constitutional Syphilis	..
..	1	11	..	..	..	2	..	..	1	2	1	46	66	Phthisis	11
..	2	..	..	..	..	..	..	..	..	..	4	13	13	Insanity	2
4	..	22	4	1	6	2	3	8	4	7	6	181	178	Bronchitis, Influenza, and Catarrh.....	9		
..	..	2	..	..	..	..	..	1	..	..	2	15	15	Pleurisy & Pneumonia.	1
..	2	7	..	..	..	1	..	1	..	..	4	97	76	Skin Disease.....	..
..	..	12	1	..	4	..	5	..	2	2	1	86	102	Dyspepsia .....	..	
5	7	67	1	9	2	..	6	40	4	43	65	749	819	Accidents and diseases not classified.....	30		
13	24	147	8	13	14	10	20	54	19	60	106	1465	1524	TOTAL.....	64		

Removed to Hospital. † Febricula. ** Aged 30, removed to Hospital ++ 1 Typhus and 2 Febricula. a Typhus.

debted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
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(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	1	..	2	..	..	..	1	..	..	..	..	4	2
Measles	1	2	..	..	..	..	..	..	..	..	..	3	3
Whooping-cough.....	1	..	..	..	..	..	1	1	..	1	..	4	5
Scarlatina .....	..	..	..	..	..	1	..	..	..	..	..	1	33
Diarrhœa .....	..	..	2	2	2	2	..	..	..	..	1	9	3
Fever	21	..	24	..	21	..	23	..	1	..	22	12	10
Diseases of the Lungs ..	9	8	4	6	24	6	2	..	4	7	..	50	36
Other causes.....	13	13	36	7	10	6	217	13	9	25	12	161	141
TOTAL NO. OF DEATHS.	26	23	48	15	17	15	21	14	14	33	15	244	233
TOTAL NO. OF BIRTHS.	55	60	13	18	23	32	17	21	30	50	21	340	367

a Typhus. b 3 Typhus and 1 Typhoid. c Bronchitis. d 1 Typhus and 1 Brain Fever.
e 9 Bronchitis and 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

1 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	TOTAL.	DISEASE.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	TOTAL
7	14	17	38	.....Small-pox.....	83	71	76	230
8	..	7	15	.....Chicken-pox.....	13	5	6	24
46	38	50	134	.....Measles.....	91	59	26	176
27	23	39	94	.....Scarlatina.....	42	27	25	94
5	5	3	13	.....Diphtheria.....	2	2	..	4
60	57	110	227	....Whooping-cough....	26	25	31	82
1	..	4	5	.....Croup.....	1	7	3	11
241	230	328	799	.....Diarrhœa.....	117	106	133	361
2	3	1	6	.....Dysentery.....	15	13	8	36
..	..	..	..	.....Cholera.....	..	..	..	..
34	14	32	80	.....Erysipelas.....	32	23	25	85
..	..	..	..	....Puerperal Fever....	..	..	..	..
17	18	20	55	.....Insanity.....	33	42	56	131
1280	1206	1739	4225	..Bronchitis and Catarrh..	1135	1194	1141	3470
18	16	18	52	.....Pleurisy.....	85	82	102	269
28	11	44	83	.....Pneumonia.....				
4	2	7	13	.....Carbuncle.....	..	..	..	..
3345	3301	4853	11509	{ Accidents, and all other Diseases. }	4513	4333	5199	14045
5123	4943	7282	17348	.....TOTAL.....	6188	5994	6836	19018

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH.			Royal Infirmary, Dr. REED.		Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Eccles.....	1.721	..... 12							
Penketh	1.690	..... 12							
Old Trafford..	1.676	..... 13							
Royton	1.607	..... 12							
Castleton Moor	1.396	..... 12							
Height of barometer cistern above sea level.....			130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.	
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....			30.153	30.160	30.157	30.152	30.146	30.196	
Highest.....			30.194	30.238	30.267	29.777	30.340	29.860	
Lowest			29.794	29.789	29.845	29.362	29.906	29.436	
Range			0.400	0.449	0.422	0.415	0.434	0.424	
Temperature.									
Adopted Mean			50.3	53.4	53.5	52.0	53.4	51.4	
Range for Week			14.6	32.0	35.9	33.5	32.1	32.5	
Daily Range.....			6.1	21.2	22.0	21.2	20.5	18.7	
Maximum in Shade			56.5	73.0	74.0	70.5	72.6	68.5	
Minimum in Shade			42.0	41.0	38.1	37.8	40.5	36.0	
Temperature of Dew Point			46.2	47.6	46.6	44.1	45.7	43.9	
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....			0.860	0.750	0.770	0.750	0.745	0.755	
Prevailing Winds				NE	NE	NE	NE	NE	
Rain				0.550	0.657	0.665	1.410	0.822	
Ozonometer.									
Moffat				0.00	1.71	0.00	.....	.....
Schonbein				0.00	0.00	0.66	0.10	0.00	

April 22, 1865.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, APRIL 29, 1865.

No. 248

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 29th ultimo, the number of new cases of disease and injuries occasioned by accidents which occurred in the public practice of Manchester and Salford amounted to 1,452: in the preceding week there were 1,465, and in the corresponding one of last year 1,421. In several important particulars the return may be looked upon as more satisfactory than that for the previous week.

The Small-pox seizures fell from 24 to 15. Three of the cases occurred in the Chorlton Poor Law District; 2 of them are especially referred to as having been discovered in unvaccinated persons, of the ages of 16 and 17 respectively. Two more Small-pox patients were admitted as in-patients of the Royal Infirmary.

Under Continued Fever we find an improvement,—the respective number of cases for the three last weeks being 63, 58, and 44. The Typhus seizures, which in the preceding week amounted to 29, fell in that just ended to 15; 7 of them were admitted into the wards of the Salford Hospital, and 2 into Chorlton Hospital.

Bronchitis and kindred affections of the chest exhibit an increase, amounting to 20 cases.

Consumption proved unusually fatal; in the course of the week it carried off no fewer than 12 of the Hospital and Workhouse patients.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

In the course of last week 219 deaths were registered in the eleven districts from which the Association obtains returns: in the preceding week the number was considerably higher, amounting to 244.

No fewer than 67 persons died from diseases connected with the respiratory organs; 18 of these deaths were registered in Ancoats, and 12 in Hulme.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 54.2°; on Thursday it rose to 81.5°; never before was so high a reading recorded in April. In Manchester the thermometer did not rise higher (in the shade) than 74.3°. At Old Trafford the mean temperature was 50.9°, and at Eccles 49.9°. It thus appears that the weather was considerably warmer at Greenwich than in this neighbourhood.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, Pall Mall, Manchester.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	2	..	..	..	..	..	2	1	2	..	1	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	2	..	..	..	2	..	..	..	..	..	..	1	1
Scarlatina .....	..	..	..	..	..	..	..	..	2	..	..	1	1	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	1	..	1	..	..	2	..	2	..	..	2
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	..	..	..	1	..	..	1	..	..	1	..	..	..	5	2
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	..	..	*1	*1	4	†3	9	2	..	..	..	‡2	‡2	6	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism	2	..	..	..	1	..	3	14	1	36	1	2	2	..	2
Neuralgic Affections .....	..	..	..	..	..	..	..	..	5	3	..	..	..	..	4
Constitutional Syphilis	1	..	..	..	..	1	2	12	..	10	..	1	..	..	..
Phthisis .....	..	2	2	..	1	2	7	5	..	18	..	7	..	..	3
Insanity .....	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	3	3	2	..	4	3	15	14	3	48	4	4	2	6	26
Pleurisy and Pneumonia....	1	2	..	..	..	..	3	1	1	5	..	2	1	..	2
Skin Diseases.....	1	..	..	..	..	1	2	11	..	14	..	..	..	3	26
Dyspepsia	2	..	..	..	..	..	2	..	..	44	..	..	1	5	17
Accidents and diseases not classified.....	29	7	10	2	6	8	62	61	34	237	2	6	12	64	32
TOTAL	41	14	17	4	17	18	111	124	49	418	8	27	21	90	117

* Typhus, removed to Hospital. † 1 Typhus and 1 Typhoid, removed to Workhouse. ‡ 1 Typhus, removed to Workhouse.

Medical Officers to whom the Associates

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIOUS DEAN,	(9) } Mr. THOMAS LEEDS,	(13) Mr. H. RUNC
(2) „ J. BROADBENT,	(6) „ LEDWARD,	(10) } „ W.H. SUTCLIFFE,	(14) Dr. WHITEH
(3) „ EDWARD MEACHAM,	(7) Mr. A. PHILIPPS,	(11) } „ GEORGE CLEMENTS,	(15) Mr. W. GOLLI
(4) Dr. BRADLON,	(8) Dr. GEORGE REEF,	(12) }	(16) „ J. TEAL

SANITARY ASSOCIATION.																	
TOWNS OF MANCHESTER AND ADJOINING DISTRICTS.																	
Week ending the 29th day of April, 1865.																	
SALFORD.				HULME.			CHORLTON.	ABD-WICK	PENDLETON AND PENDLEBURY.								
... 1,329 .....				... 477. ....			... 646. ...	508.	... 2650.....				Area in Statute Acres.			
... 70,967. ....				... 68,209. ...			... 44,850..	21739	... 24,448				Population in 1861.			
POOR LAW DISTRICT.		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		DEATHS.	
17	18	19	20	21	22	23	24	25	26	27	28						
..	1	..	..	..	..	2	13	1	1	..	1	15	14	Small-pox		1
..	..	..	..	..	..	..	..	..	..	..	..	..	5	Chicken-pox .....		..
..	..	1	..	..	1	..	..	..	..	..	..	6	11	Measles .....		..
..	..	2	..	..	..	..	..	1	..	1	..	8	31	Scarlatina .....		..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Diphtheria .....		..
..	..	..	..	..	..	..	..	..	..	..	..	7	8	Whooping-cough ....		..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....		..
..	..	3	2	1	..	1	..	1	1	..	5	25	31	Diarrhoea		1	
..	..	..	..	..	..	..	..	..	..	..	..	..	4	Dysentery .....		..
1	9	3	..	..	3	2	..	..	1	..	2	44	33	Continued Fever		1
..	1	2	..	..	..	1	..	..	..	..	..	4	6	Erysipelas .....		..
2	1	9	..	1	2	2	3	2	1	1	3	88	71	Rheumatism .....		..
..	..	2	..	..	..	..	..	..	..	..	..	14	19	Neuralgic Affections ..		..
..	1	5	..	..	..	..	..	..	..	..	3	35	43	Constitutional Syphilis		1
1	..	14	..	..	..	..	..	..	1	2	2	60	70	Phthisis		12
..	2	..	..	..	..	..	..	..	..	..	..	5	15	Insanity .....		..
2	2	..	31	2	1	3	5	6	5	4	6	7	196	163	Bronchitis, Influenza, and Catarrh.....		5
..	..	3	..	1	..	1	..	..	..	..	..	20	19	Pleurisy & Pneumonia.		1
..	4	11	..	..	..	..	2	4	1	1	11	90	65	Skin Disease.....		..
1	1	15	..	..	4	1	1	2	2	2	..	99	84	Dyspepsia		1
3	6	5	68	1	6	7	3	1	28	5	39	52	735	723	Accidents and diseases not classified.....		21
8	12	25	169	5	10	20	18	16	44	17	52	86	1452	1421	TOTAL.....		44
Typhus.				7 Typhus.				Aged 5, 16, and 17 years, not vaccinated.									
indebted for the annexed Returns.																	
(17) Dr. SAMUEL BOOTH,						(21) Mr. JOHN SMITH,						(25) Mr. JOHN RAYNER,					
(18) Mr. M. O. LARMUTH,						(22) Dr. ALEX. WILSON,						(26) „ J.V.L.WESTMACOTT,					
(19) „ J. O. BRADBURY,						(23) Mr. H. M. WILLIAMSON.						(27) „ JAMES SHACKLETON,					
(20) „ W. B. STOTT,						(24) „ JOSEPH FOSTER,						(28) „ J. WATSON.					

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowler.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	..	1	1	..	1	..	..	..	..	3	1
Measles.....	..	..	..	1	..	1	..	..	..	..	..	2	2
Whooping-cough.....	2	2	..	..	..	1	..	..	1	..	..	6	5
Scarlatina.....	1	..	..	..	..	1	1	..	..	..	..	3	27
Diarrhoea.....	2	..	..	..	..	2	..	..	1	..	..	5	3
Fever.....	1	..	23	..	1	..	2	..	21	2	2	12	4
Diseases of the Lungs ..	18	6	4	5	1	9	3	..	8	12	1	67	39
Other causes.....	11	19	25	6	6	63	8	7	9	17	5	121	110
TOTAL NO. OF DEATHS.	35	27	32	13	9	22	15	7	20	31	8	219	191
TOTAL NO. OF BIRTHS.	41	38	21	19	21	30	35	23	43	48	25	344	363

a 2 Typhoid and 1 Typhus. b 1 Inquest. c 1 Typhus and 1 Continued. d Remittent, aged 15 months.
e Typhus. f Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	TOTAL.	DISEASE.	4 Weeks ending 28th Jan.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	TOTAL
7	14	17	38	.....Small-pox.....	83	71	76	230
8	..	7	15	.....Chicken-pox.....	13	5	6	24
46	38	50	134	.....Measles.....	91	59	26	176
27	28	39	94	.....Scarlatina.....	42	27	25	94
5	5	3	13	.....Diphtheria.....	2	2	..	4
60	57	110	227	....Whooping-cough....	26	25	31	82
1	..	4	5	.....Croup.....	1	7	3	11
241	230	328	799	.....Diarrhoea.....	117	103	133	361
2	3	1	6	.....Dysentery.....	15	13	8	36
..	..	..	..	.....Cholera.....	..	..	..	..
34	14	32	80	.....Erysipelas.....	32	23	25	85
..	..	..	..	.....Puerperal Fever....	..	..	..	..
17	18	20	55	.....Insanity.....	33	42	56	131
1280	1206	1739	4225	..Bronchitis and Catarrh..	1135	1194	1141	3470
18	16	18	52	.....Pleurisy.....	85	82	102	269
28	11	44	83	.....Pneumonia.....	..	..	..	..
4	2	7	13	.....Carbuncle.....	..	..	..	..
3345	3301	4863	11509	{ Accidents, and all other Diseases. }	4513	4333	5199	14045
5123	4943	7282	17348	.....TOTAL.....	6188	5994	6836	19018

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MARCH.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T.MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Eccles.....	1.721	12							
Penketh	1.690	12							
Old Trafford..	1.676	13							
Royton	1.607	12							
Castleton Moor	1.396	12							
Height of barometer cistern above sea level.....	130 ft.	123 ft.	118 ft.	522 ft.	39 ft.	475 ft.			
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....	30.160	30.195	30.177	30.138	30.183	30.169			
Highest.....	30.254	30.294	30.295	29.800	30.362	29.884			
Lowest.....	29.924	29.967	29.959	29.483	30.050	29.563			
Range	0.330	0.327	0.336	0.317	0.312	0.316			
Temperature.									
Adopted Mean	48.4	50.9	49.9	49.7	50.7	49.3			
Range for Week	20.7	38.7	34.6	36.5	42.8	33.3			
Daily Range.....	7.1	24.3	23.1	24.5	27.2	22.0			
Maximum in Shade	59.0	74.5	70.1	69.3	73.9	67.5			
Minimum in Shade	38.3	35.8	35.5	33.0	31.1	34.2			
Temperature of Dew Point	41.7	42.5	41.4	41.7	40.7	41.6			
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....	0.814	0.743	0.733	0.735	0.685	0.745			
Prevailing Winds		SW, NE	NE, NW	NE, E	NE, NW	NE, SW			
Rain		0.030	0.044	0.020	0.007	0.000			
Ozonometer.									
Moffat		0.00	1.00	0.00	.....	.....	
Schonbein		0.00	0.00	0.00	2.36	0.00			

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, MAY 6, 1865.

No. 249.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 6th instant, 1,351 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford: in the preceding week there were 1,452, and in the corresponding one of last year 1,311.

There is a decided and very satisfactory decrease under Small-pox, the respective number of cases for the last three weeks being 24, 15, and 7. Three of them were admitted into the Manchester Workhouse.

The seizures from Scarlet Fever rose from 8 to 12. No fewer than 8 of the cases were seen in a single district,—No. II. of the Royal Infirmary. We are informed by Mr. W. H. Sutcliffe, the medical officer in charge of these patients, that Scarlet Fever “prevails to a considerable extent in Rochdale Road, near the gas works. The cases have been for the most part mild; throat symptoms not very severe. Parents *will not* keep their children in-doors when convalescing, and nephritis is the common result.”

Bronchitis and kindred affections of the chest fell from 216 to 176, while Diarrhoea and Dysentery rose from 25 to 41.

Continued Fever contributed 42 cases to the return; no fewer than 14 of the number proved examples of Typhus and 4 of Typhoid Fever. Four of the former were admitted into the Salford Workhouse, and 2 more were observed by Dr. Ledward in the St. Michael's District. Dr. Ledward specially refers to 1 of the Typhus cases as that of a journeyman painter, residing with his wife in a very small court off Joiner Street. “His dwelling consists of two rooms, the lower one, on the ground floor, measures 8 feet by 9, the ceiling barely 6 feet from the floor. The bedroom upstairs is of similar dimensions, perhaps a few inches higher in the roof. The front door is within 6 feet of a privy, which occupies the centre of the court.” It would be difficult to imagine conditions more favourable to the development of Fever than those by which this poor painter is surrounded.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 225 deaths were registered in the eleven districts from which we receive our returns: in the preceding week there were 219, and in the corresponding one of last year 214.

We observe a satisfactory and remarkable decrease under deaths due to diseases of the lungs; in the previous return there were 67, in this only 37.

In London, according to the last return of the Registrar General, the deaths were less by 81 than the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 54.1°; at Old Trafford, the warmest of the Manchester stations, it did not exceed 50.7°.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN		
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	City Gaol
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15
Small-pox .....	..	..	..	..	..	..	..	3	1	..	1	..	**1	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	2	2	..	..	..	..	..	..	..	2	..
Scarlatina .....	..	1	..	..	..	..	1	..	..	..	..	8	1	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	1	..	..	1	..	..	..	..	2	..	..	4	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	..	1	..	1	..	2	..	..	6	..	..	1	3	8	..
Dysentery .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Continued Fever.....	..	..	*3	†1	‡2	§3	9	3	||1	..	..	¶2	††2	1	..	..
Erysipelas .....	..	1	..	..	..	..	1	..	..	..	1	..	..	..	..	..
Rheumatism .....	..	..	1	1	1	1	4	8	..	35	1	1	..	..	1	..
Neuralgic Affections .....	..	..	..	..	..	..	..	..	3	..	..	..	..	..	4	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	5	1	5	1	..	..	1	..	..
Phthisis .....	..	..	2	2	..	..	4	4	1	18	4	4	4	1	2	..
Insanity .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	4	1	3	4	4	20	12	..	15	2	1	..	2	24	..
Pleurisy and Pneumonia....	..	..	..	..	..	1	1	1	1	4	..	..	4	..	..	..
Skin Diseases.....	2	1	..	1	..	2	6	11	..	16	..	..	..	5	24	..
Dyspepsia .....	..	1	..	..	..	..	1	..	..	30	1	..	..	5	19	..
Accidents and diseases not classified.....	24	7	6	7	6	6	56	51	22	236	4	3	14	46	22	..
TOTAL	30	15	15	16	14	19	109	100	30	365	15	21	27	64	110	9

* Typhus, removed to Workhouse. + Typhus. ‡ 2 Removed to Workhouse. § 2 Typhus and 1 Febricula. || Febricula.
¶ 1 Typhus and 3 Typhoid. ||| Typhoid

Medical Officers to whom the Associations

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Mr. OCTAVIUS DEAN,

(6) „ LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REEL,
- (9) } Mr. THOMAS LEEDS,

(10) } „ W. H. SUTCLIFFE,

(11) } „ GEORGE CLEMENTS,

(12) }
- (13) Mr. H. RUNCORNE,

(14) Dr. WHITEHEAD,

(15) Mr. W. GOLLAN,

(16) „ J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 6th day of May, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477			646		508.	2650			Area in Statute Acres.		
70,967				68,209			44,850		21739	24,448			Population in 1861.		
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.									St. Philip's
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	1	..	7	10	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Chicken-pox .....	..
..	1	1	..	..	..	..	..	..	..	..	..	6	13	Measles .....	..
..	..	..	..	..	..	..	..	2	..	..	..	12	21	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	..	..	..	..	7	7	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
1	..	2	2	..	..	1	2	3	..	..	2	36	23	Diarrhoea	1
..	..	..	..	..	..	..	..	..	..	..	3	5	1	Dysentery .....	..
..	†4	§§10	..	|||1	2	1	..	..	..	†2	†1	42	32	Continued Fever	5
..	..	..	..	..	..	1	..	..	2	..	1	6	6	Erysipelas .....	..
3	..	4	..	..	4	3	..	5	2	2	8	82	73	Rheumatism .....	..
..	..	2	..	..	2	..	..	1	..	..	..	12	14	Neuralgic Affections ..	..
..	..	4	..	..	..	..	..	1	1	..	6	25	34	Constitutional Syphilis	..
1	..	12	..	1	..	..	1	..	..	3	1	61	76	Phthisis	4
1	..	..	..	..	..	..	..	..	..	..	..	3	11	Insanity .....	..
3	..	25	3	2	2	2	13	4	4	8	9	155	155	Bronchitis, Influenza, and Catarrh.....	2
1	..	5	..	1	..	..	..	1	..	1	1	21	15	Pleurisy & Pneumonia.	5
1	3	3	..	..	1	..	..	2	1	..	15	88	80	Skin Disease.....	..
1	..	6	..	..	..	..	1	1	2	3	..	72	73	Dyspepsia .....	..
8	3	104	1	7	8	1	8	33	4	42	27	711	664	Accidents and diseases not classified.....	30
20	11	178	6	12	19	9	25	53	16	62	74	1351	1311	TOTAL.....	48

Typhus, 1 removed to Workhouse, the other to the Infirmary. ** Removed to Workhouse. †† 1 Typhus and 1 Febricula.

debted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	3	1	..	1	..	..	..	..	2	..	2	4
Measles .....	..	2	..	..	1	..	..	..	..	1	..	6	1
Whooping-cough.....	1	2	2	..	1	1	..	..	1	2	..	11	3
Scarlatina .....	..	1	..	..	..	..	2	..	1	..	..	4	22
Diarrhoea .....	..	..	1	..	..	1	..	1	..	1	..	4	2
Fever .....	..	..	3	..	..	2	1	..	3	..	1	10	7
Diseases of the Lungs ..	7	7	5	2	3	2	1	..	7	3	..	37	65
Other causes.....	14	19	18	6	17	25	16	9	10	31	6	151	110
TOTAL NO. OF DEATHS.	22	32	30	8	22	11	20	10	23	40	7	225	214
TOTAL NO. OF BIRTHS.	33	40	11	23	17	20	30	18	31	53	26	302	311

a Typhus. b 1 Croup. c 1 Inquest. d 2 Infantile, and 1 aged 64 years.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	4 Weeks ending 29th April	TOTAL.	DISEASE.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	4 Weeks ending 29th April	TOTAL
14	17	15	46	.....Small-pox.....	71	76	68	215
..	7	13	20	..... Chicken-pox	5	6	2	13
38	50	10	98	..... Measles	59	26	23	108
28	39	14	81	.....Scarlatina.....	27	25	27	79
5	3	1	9	..... Diphtheria	2	..	1	3
57	110	64	231	.... Whooping-cough	25	31	31	87
..	4	5	9	.....Croup.....	7	3	1	11
230	328	366	924	.....Diarrhoea.....	106	133	95	339
3	1	5	9	.....Dysentery.....	13	8	10	31
..	..	..	..	..... Cholera .....	..	..	..	..
14	32	26	72	.....Erysipelas.....	28	25	24	77
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
18	20	8	46	..... Insanity	42	56	47	145
1206	1739	1006	3951	..Bronchitis and Catarrh..	1194	1141	778	3113
16	18	14	48	..... Pleurisy .....	..	..	..	..
11	44	14	69	..... Pneumonia	82	102	62	246
2	7	8	17	.....Carbuncle.....	..	..	..	..
3301	4863	3654	11818	{ Accidents, and all other Diseases. }	4333	5199	4650	14182
4943	7282	5223	17448	..... TOTAL	5994	6836	5819	18649

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Penketh	1.359	9							
Royton	1.475	9							
Castleton Moor	1.474	8							
Eccles.....	1.102	16							
Old Trafford..	1.082	8							
Height of barometer cistern above sea level.....	130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.			
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....	29.834	29.845	29.833	29.836	29.820	29.854			
Highest.....	29.994	29.970	29.991	29.485	30.044	29.570			
Lowest	29.540	29.590	29.607	29.117	29.664	29.218			
Range	0.450	0.380	0.384	0.368	0.380	0.352			
Temperature.									
Adopted Mean	49.0	50.7	49.8	48.4	50.3	47.6			
Range for Week	17.7	32.9	29.4	34.0	39.3	32.0			
Daily Range.....	5.3	19.3	16.9	17.4	20.0	16.0			
Maximum in Shade	55.0	66.9	64.5	63.0	66.5	61.5			
Minimum in Shade	37.3	34.0	35.1	29.0	27.2	29.5			
Temperature of Dew Point	44.6	45.4	43.0	42.9	43.5	42.8			
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....	0.838	0.825	0.777	0.814	0.782	0.842			
Prevailing Winds		SE, NE	SE	S, NE	S, SE	S, SW			
Rain		0.724	0.763	0.870	1.084	0.978			
Ozonometer.									
Moffat		2.28	1.14	0.00	.....	.....	
Schonbein		1.86	0.00	3.60	6.6	0.00			

May 6, 1865.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, MAY 13, 1865.

No. 250

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 13th instant, 1,308 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford: in the preceding week there were 1,351, and in the corresponding one of last year 1,237.

There were 9 cases of Small-pox, 3 of which were admitted into the Manchester Workhouse, while 3 more occurred among the patients of the Salford Dispensary.

The seizures from Scarlet Fever fell from 12 to 7. In District No. II. of the Royal Infirmary (a district which last week returned 8 cases) there were 3, and at the Salford Dispensary 3 more.

Continued Fever contributed 53 cases to the return, 10 of which are entered as Typhus and 2 as Typhoid Fever. At the Manchester Workhouse no fewer than 11 Fever patients were admitted, the great majority of them probably suffering from Typhus. Five examples of the same form of Fever were observed at the Ardwick and Ancoats Dispensary.

Bronchitis and kindred affections of the chest, including Pleurisy and Pneumonia, rose from 176 to 180. Mr. George Clements, the medical officer of District III. of the Royal Infirmary, refers to a "case presenting all the character and symptoms of acute atrophy of the liver; and, on post-mortem examination, the liver proved very much reduced in size, and the hepatic structure entirely destroyed."

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 210 deaths were registered in the eleven districts from which the returns of the Sanitary Association are received: in the preceding week they were more numerous, amounting to 225.

With the exception of Fever, which carried off 12 persons, the zymotic diseases, generally speaking, proved remarkably mild. Three deaths from Measles occurred in the St. George's District, and 3 from Whooping Cough in the Ancoats.

In London, according to the last return of the Registrar General, the deaths were less by 139 than the average number. It is stated in the report that the present is the healthiest season of the year in London. Among the deaths registered there was that of a boy, aged eleven years, who died on the 8th of May, from Hydrophobia, having been bitten by a dog about three months previously.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 50·7°; at Old Trafford, the warmest of the Manchester stations, it was 48·8°.

Far more rain fell in the South than at any of our stations; thus, at Greenwich, nearly 2 $\frac{3}{4}$ inches were measured during the week, while in this neighbourhood the greatest quantity registered was 1·3 inches.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS

New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN	
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	2	..	..	..	2	3	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	2	..	..	..	3	..	..	1	2	..	..	1	..
Scarlatina .....	..	..	..	..	1	..	1	..	..	..	..	3	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	1	..	1	1	3	..	..	3	..	..	..	..	2
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	1	..	..	1	1	3	..	..	..	..	..	1	4	5
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Continued Fever.....	*2	†4	‡3	§1	§2	‡1	13	11	||3	..	..	1	3	5	..
Erysipelas .....	..	1	1	..	..	..	2	..	..	..	..	..	..	..	..
Rheumatism .....	..	1	1	1	1	1	5	19	1	16	1	2	3	..	2
Neuralgic Affections .....	..	..	..	..	..	..	..	..	2	5	..	..	..	..	5
Constitutional Syphilis .....	..	..	..	..	..	..	..	8	1	8	..	..	..	..	1
Phthisis .....	..	1	1	..	1	..	3	5	..	31	..	..	3	..	4
Insanity .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	7	1	2	2	2	16	14	..	32	3	4	4	4	12
Pleurisy and Pneumonia....	..	..	..	1	1	..	2	2	2	..	..	..	..	1	..
Skin Diseases.....	1	..	..	..	..	1	2	13	..	13	..	..	1	6	14
Dyspepsia .....	..	..	..	..	1	..	1	..	..	27	2	..	3	3	11
Accidents and diseases not classified.....	20	7	12	3	7	10	59	29	41	223	11	7	6	26	28
TOTAL	26	22	24	8	18	17	115	106	50	359	19	17	24	51	84

* Febricula

† 1 Typhus and 1 Typhoid removed to Workhouse.

‡ 1 Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON,

(5) Mr. OCTAVIUS DEAN,
(6) „ LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REEF,

(9) } Mr. THOMAS LEEDS,
(10) } „ W. H. SUTCLIFFE,
(11) } „ GEORGE CLEMENTS,
(12) }

(13) Mr. H. RUNO
(14) Dr. WHITEH
(15) Mr. W. GOLLE
(16) „ J. TEALE

SANITARY ASSOCIATION.

DISTRICTS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 13th day of May, 1865.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.				Area in Statute Acres. Population in 1861.		DEATHS.
..... 1,329 .....					..... 477 .....			... 646 ...		508.	..... 2650 .....				..... 24,448	
..... 70,967 .....					... 68,209 ...			... 44,850 ...		21739						
DOOR-LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's										
6	17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	3	..	..	..	..	1	..	..	..	..	9	10	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
..	..	..	..	..	..	..	1	..	..	..	..	..	8	11	Measles .....	..
..	..	..	3	..	..	..	..	..	..	..	..	..	7	11	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	8	7	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
1	..	..	3	3	1	..	..	..	2	..	..	..	23	24	Diarrhoea .....	..
..	..	..	1	..	..	..	..	1	..	..	..	..	3	4	Dysentery .....	..
12	11	5	..	..	..	..	2	1	..	1	**5	..	53	35	Continued Fever	1
..	..	..	2	..	..	1	..	1	..	..	..	..	6	3	Erysipelas	1
..	1	1	7	..	..	3	..	2	..	2	2	5	72	54	Rheumatism .....	..
..	..	1	2	..	..	..	..	..	..	..	..	..	15	9	Neuralgic Affections ..	..
..	..	..	6	..	..	..	..	..	..	1	1	3	31	27	Constitutional Syphilis ..	..
..	..	..	9	..	..	2	..	1	1	1	2	3	65	34	Phthisis	5
..	..	..	..	..	..	1	..	..	..	..	..	..	3	6	Insanity .....	..
4	2	..	27	5	4	2	3	8	10	2	7	3	166	123	Bronchitis, Influenza, and Catarrh	3	
..	2	1	2	..	..	..	1	..	..	..	..	1	14	10	Pleurisy & Pneumonia.	2
..	..	2	8	..	..	..	..	..	2	1	..	6	71	82	Skin Disease .....	..
2	1	..	15	1	..	3	..	2	4	1	2	3	82	88	Dyspepsia .....	..
6	7	8	72	1	2	4	..	7	44	5	39	44	672	698	Accidents and diseases not classified	24	
3	15	14	165	10	7	16	7	24	63	14	58	68	1308	1237	TOTAL	37	

§ Removed to Workhouse.

|| 2 Typhus, and 1 Typhoid.

¶ 1 Typhus.

** Typhus.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	1	..	..	..	..	..	..	..	..	..	..	1	1
Measles.....	..	3	..	..	..	..	..	..	..	1	..	4	7
Whooping-cough.....	3	1	1	..	..	..	..	..	..	..	..	5	8
Scarlatina.....	..	2	..	..	..	..	..	..	..	1	..	3	26
Diarrhoea.....	..	..	1	..	..	..	..	..	e1	..	..	2	3
Fever.....	1	1	..	..	1	..	33	..	3	3	..	12	9
Diseases of the Lungs ..	7	12	5	3	a12	7	5	..	f10	8	..	58	52
Other causes.....	12	18	13	10	b9	8	d7	g13	16	7	..	125	109
TOTAL NO. OF DEATHS.	24	37	20	13	13	16	16	7	27	29	8	210	215
TOTAL NO. OF BIRTHS.	40	32	12	23	16	25	37	11	30	41	18	285	334

a 2 Croup and 1 Bronchitis. b 2 Inquests. c Typhus. d 1 Inquest. e aged 9 months. f 6 Phthisis.
g 2 Apoplexy.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	4 Weeks ending 29th April	TOTAL.	DISEASE.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	4 Weeks ending 29th April	TOTAL.
14	17	15	46	..... Small-pox.....	71	76	68	215
..	7	13	20	..... Chicken-pox.....	5	6	2	13
38	50	10	98	..... Measles.....	59	26	23	108
28	39	14	81	..... Scarlatina.....	27	25	27	79
5	3	1	9	..... Diphtheria.....	2	..	1	3
57	110	64	231	.... Whooping-cough	25	31	31	87
..	4	5	9	..... Croup.....	7	3	1	11
230	328	366	924	..... Diarrhoea.....	106	133	95	339
3	1	5	9	..... Dysentery.....	13	8	10	31
..	..	..	..	..... Cholera.....	..	..	..	..
14	32	26	72	..... Erysipelas.....	23	25	24	77
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
18	20	8	46	..... Insanity.....	42	56	47	145
1206	1739	1006	3951	.. Bronchitis and Catarrh..	1194	1141	778	3113
16	18	14	48	..... Pleurisy.....	82	102	62	246
11	44	14	69	..... Pneumonia.....	..	..	..	..
2	7	8	17	..... Carbuncle.....	..	..	..	..
3301	4863	3654	11818	{ Accidents, and all other Diseases. }	4333	5199	4650	14182
4943	7282	5223	17448	..... TOTAL.....	5994	6836	5819	18649

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN APRIL.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Penketh	1.959	.....	9						
Royton	1.475	.....	9						
Castleton Moor	1.474	.....	8						
Eccles.....	1.102	.....	16						
Old Trafford..	1.082	.....	8						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.829	29.825	29.820	29.815	29.817	29.812
Highest.....				29.958	29.974	29.991	29.503	30.060	29.568
Lowest				29.484	29.509	29.527	29.031	29.595	29.114
Range				0.474	0.465	0.464	0.472	0.465	0.454
Temperature.									
Adopted Mean				46.7	48.8	46.9	45.7	47.4	45.7
Range for Week				12.7	34.3	33.0	37.5	36.6	34.1
Daily Range.....				2.6	10.6	10.6	13.9	10.6	10.6
Maximum in Shade				55.9	74.3	71.6	72.0	72.0	69.3
Minimum in Shade				43.2	40.0	38.6	34.5	35.4	35.2
Temperature of Dew Point .....				.....	42.8	42.3	41.6	42.7	40.6
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.881	0.805	0.846	0.856	0,848	0.826
Prevailing Winds					SW	SE, N, NW	NE, NW	NE, NW	NE, NW
Rain					1.329	1.160	1.024	1.214	0.969
Ozonometer.									
Moffat					0.00	1.14	0.00	.....	.....
Schonbein					0.00	0.00	2.50	2.50	0.00

May 13, 1865.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, MAY 20, 1865.

No. 251

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 20th instant, the number of new cases of disease and injuries occasioned by accidents observed in the public practice of Manchester and Salford amounted to 1,401; in the preceding week it was 1,308, and in the corresponding one of last year 1,119.

In several important particulars the return does not present us with a very favourable idea of the public health. The Small-pox cases rose from 9 to 19; 4 of them were admitted into the Manchester Workhouse, 3 into that of Salford, and 2 into that of Chorlton. Three deaths also were ascribed to this disease in public practice alone.

Of 8 cases of Scarlet Fever 4 were observed among the patients of the Salford Dispensary, and 2 among those of the Ardwick Dispensary.

Diarrhœa has not yet assumed the severity which it invariably takes on so soon as summer has fairly commenced,—a fortnight ago there were 41 cases, last week only 29.

Under Continued Fever we again observe a considerable increase, the respective number of cases for the last three weeks being 42, 53, and 69. Of these cases no fewer than 21 proved examples of true Typhus; 6 of them were observed in the St. Michael's District, 4 more in that of St. Andrew's, and 4 among the patients of the Ardwick and Ancoats Dispensary.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 253 deaths were registered in the eleven districts from which we obtain our Weekly Returns. For the present season of the year the number is very considerable.

In the course of the last three weeks there has been a considerable increase under deaths due to diseases of the respiratory organs, the respective numbers being 37, 58, and 67.

Measles proved the most fatal of the exanthematous fevers; it carried off 7 persons.

In London, according to the last return of the Registrar General, the deaths were less by 100 than the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 53·7°; at Old Trafford, the warmest of the Manchester stations, it was 52·7°. At the former station the highest day temperature was 72·8°, at the latter it was 77·7°.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	1	1	4	1	..	..	..	2	1	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles .....	..	..	..	..	..	1	1	..	..	1	..	2	..	..	7
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	2	2	..	..	..	..	..	..	..	4
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	..	1	1	1	..	1	4	..	..	..	..	..	..	3	7
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	..	*5	3	..	..	†10	18	7	‡1	§4	1	4	§1	4	..
Erysipelas .....	..	..	..	1	..	..	1	..	..	..	1	..	..	..	..
Rheumatism	1	..	..	..	..	..	1	19	5	11	1	1	..	1	1
Neuralgic Affections.....	..	..	..	..	..	..	..	..	3	3	..	1	..	..	3
Constitutional Syphilis .....	..	..	..	..	..	..	..	10	..	6	..	..	..	..	2
Phthisis .....	..	..	..	1	..	..	1	3	1	20	..	..	2	1	2
Insanity .....	..	..	..	1	..	..	1	4	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	6	1	2	..	9	20	17	..	42	1	4	2	..	18
Pleurisy and Pneumonia....	3	..	1	..	..	..	4	..	2	6	..	..	1	1	1
Skin Diseases.....	..	..	..	..	..	1	1	11	..	9	..	..	..	2	24
Dyspepsia .....	..	1	..	..	..	..	1	..	1	11	1	..	..	5	11
Accidents and diseases not } classified.....	18	10	16	11	5	13	73	55	37	260	4	8	13	58	25
TOTAL	24	23	22	17	5	38	129	130	51	373	9	20	22	77	106

* 4 Typhus, removed to Hospital. † 6 Typhus and 4 Febricula. ‡ Typhoid. § Febricula. || Removed to Workhouse.

Medical Officers to whom the Associates

- | | | | |
|-----------------------|------------------------|-------------------------|------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. THOMAS LEEDS, | (13) Mr. H. RUNG |
| (2) „ J. BROADBENT, | (6) „ LEDWARD, | (10) „ „ | (14) Dr. WHITEH |
| (3) „ EDWARD MEACHAM, | (7) Mr. A. PHILIPPS, | (11) „ W. H. SUTCLIFFE, | (15) Mr. W. GOL |
| (4) Dr. BRADDON, | (8) Dr. GEORGE REEF, | (12) „ GEORGE CLEMENTS, | (16) „ J. TEAL |

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 20th day of May, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.						DEATHS.
... 1,329 .....				... 477 .....			... 646 ...		508.	... 2650				Area in Statute Acres.	
... 70,967. ....				... 68,209. ...			... 44,850 ..		21739	... 24,448				Population in 1861.	
ORLAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work-house.	Total.	Corresponding Week last Year.	DISEASES.		
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's										
17	18	19	20	21	22	23	24	25	26	27	28					
1	3	2	..	..	1	..	1	..	..	..	2	19	9	Small-pox	3
..	..	..	..	..	..	..	..	..	..	..	..	1	3	Chicken-pox .....	..
..	..	..	..	..	..	1	..	..	..	..	..	12	10	Measles .....	..
..	..	4	..	..	..	..	..	..	..	2	..	8	13	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	..	..	..	..	6	5	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
..	..	4	3	1	..	1	2	1	1	..	2	29	37	Diarrhoea	1	
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Dysentery .....	..
14	**4	5	1	††4	..	3	1	1	..	††4	1	69	29	Continued Fever	2	
..	..	2	..	..	1	..	..	..	..	..	..	5	4	Erysipelas .....	..
1	1	7	..	1	..	..	1	1	2	1	2	60	40	Rheumatism .....	..
..	..	3	..	..	1	..	..	..	..	..	1	15	7	Neuralgic Affections ..	..
..	..	6	..	..	1	..	..	..	1	..	3	31	16	Constitutional Syphilis	1
2	..	13	..	..	1	..	..	1	1	1	4	54	35	Phthisis	9
..	1	..	..	..	..	..	1	1	..	..	1	9	8	Insanity .....	..
4	3	..	20	2	1	2	8	4	4	3	6	167	118	Bronchitis, Influenza, and Catarrh.....	7	
..	1	1	1	..	..	..	..	2	..	..	1	22	15	Pleurisy & Pneumonia.	4
1	..	3	17	..	..	..	1	..	1	..	18	91	61	Skin Disease.....	..
..	1	1	14	..	1	1	..	3	2	1	2	58	70	Dyspepsia .....	..
3	4	11	68	1	6	8	3	4	31	3	40	30	635	Accidents and diseases not classified.....	25	
0	17	25	166	7	14	16	16	18	44	13	56	71	1401	1119	TOTAL.....	52

† Three in one Family. ** 1 Typhus. †† 3 Typhus from one house, removed to Workhouse. †† Typhus.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
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(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	1	..	..	d1	..	..	..	..	..	2	1
Measles.....	1	4	..	..	..	2	..	..	..	..	..	7	6
Whooping-cough.....	2	..	..	..	..	..	..	..	1	..	..	3	4
Scarlatina.....	..	3	..	..	..	..	..	..	..	..	..	3	25
Diarrhoea.....	1	2	..	..	..	3	..	1	1	..	..	8	4
Fever.....	..	1	1	b2	..	..	..	1	..	..	..	5	10
Diseases of the Lungs ..	11	14	2	2	..	9	5	..	8	12	h4	67	55
Other causes.....	18	a21	22	12	7	e12	e15	f10	e9	g24	8	158	127
TOTAL NO. OF DEATHS.	33	45	26	16	7	27	20	12	19	36	12	253	232
TOTAL NO. OF BIRTHS.	38	41	29	23	21	29	36	19	39	65	26	366	241

a 6 Inquests. b 1 Typhus. c 2 Croup and 2 Inquests. d Aged 10 days. e 2 Inquests.
f 2 Bronchitis and 1 Inquest. g 5 Inquests. h Bronchitis.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	4 Weeks ending 29th April	TOTAL.	DISEASE.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	4 Weeks ending 29th April	TOTAL
14	17	15	46	.....Small-pox.....	71	76	68	215
..	7	13	20	..... Chicken-pox	5	6	2	13
38	50	10	98	..... Measles	59	26	23	108
28	39	14	81	.....Scarlatina.....	27	25	27	79
5	3	1	9	..... Diphtheria.....	2	..	1	3
57	110	64	231	.... Whooping-cough	25	31	31	87
..	4	5	9	..... Croup.....	7	3	1	11
230	328	366	924	.....Diarrhoea.....	106	133	95	339
3	1	5	9	.....Dysentery.....	13	8	10	31
..	..	..	..	..... Cholera .....	..	..	..	..
14	32	26	72	.....Erysipelas.....	23	25	24	77
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
18	20	8	46	..... Insanity	42	56	47	145
1206	1739	1006	3951	.. Bronchitis and Catarrh..	1194	1141	778	3113
16	18	14	48	..... Pleurisy	82	102	62	246
11	44	14	69	..... Pneumonia .....	..	..	..	..
2	7	8	17	.....Carbuncle.....	..	..	..	..
3301	4863	3654	11818	{ Accidents, and all other Diseases. }	4333	5199	4650	14182
4943	7282	5223	17448	..... TOTAL	5994	6836	5819	18649

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Penketh	1.959	9							
Royton	1.475	9							
Castleton Moor	1.474	8							
Eccles.....	1.102	16							
Old Trafford..	1.082	8							
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.					INS.	INS.	INS.	INS.	
Mean @ 32° F., and reduced to sea level.....					29.984	29.966	29.950	29.959	
Highest.....					30.316	30.343	29.842	30.406	
Lowest.....					29.546	29.525	29.017	29.600	
Range					0.770	0.818	0.825	0.806	
Temperature.									
Adopted Mean					52.7	51.6	49.9	51.9	
Range for Week					41.5	37.4	37.8	37.5	
Daily Range.....					22.3	19.7	21.5	20.1	
Maximum in Shade					77.7	74.2	73.0	74.2	
Minimum in Shade					36.2	36.8	35.2	36.7	
Temperature of Dew Point					45.1	42.3	42.2	43.0	
Hygrometrical condition of the Atmosphere.					GRS.	GRS.	GRS.	GRS.	
Degree of Humidity (Saturation—1,000).....					0.759	0.710	0.720	0.720	
Prevailing Winds					SW,S	SW	SSW,S	SSW	
Rain					0.194	0.176		0.224	
Ozonometer.									
Moffat					1.14	0.57			
Schonbein					1.57	0.00		5.80	

May 20, 1865.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, MAY 27, 1865.

No. 252

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 27th ultimo, 1,358 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the preceding week there were 1,401, and in the corresponding one of last year 1,400.

There were 21 cases of Small-pox, or 2 more than in the preceding return; 3 of them were admitted into the Manchester and 3 into the Chorlton Workhouse; 2 more were received into the Royal Infirmary.

Scarlet Fever appears for the present well-nigh extinct; only 2 cases were returned during the week.

Of 9 cases of Whooping Cough 8 were observed at the Clinical Hospital.

Under Continued Fever we observe a decrease,—the cases fell from 69 to 55; 11 of the number are ascribed to Typhus and 4 to Typhoid Fever.

There were 27 cases of Diarrhœa, 11 of which were relieved at the Clinical Hospital and 6 at St. Mary's.

A fatal case of English Cholera came under the observation of Mr. John Rayner, at the Chorlton Dispensary. "The deceased," writes Mr. Rayner, "was a man forty-five years of age; I saw him for the first time at 2 p.m., on Saturday, when he was suffering from bilious vomiting and violent Diarrhœa, including pain in the stomach and bowels, cramps and approaching collapse. Though the usual remedies were employed the patient succumbed at 4 a.m. on the following morning."

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 224 deaths were registered in the eleven districts from which we are favoured with returns; in the corresponding one of last year there were only 181. Four were ascribed to Small-pox, 2 of which were registered in the Market Street District and 1 in that of Chorlton; the latter occurred in the case of a child, aged three years, which had never been vaccinated.

The deaths from Diarrhœa rose from 3 to 9. We probably see in the increased fatality of this disorder the effects of the late warm weather.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 61.7°; at Old Trafford, the warmest of the Manchester stations, it was 61.5°, and at Eccles 60.1°.

At Greenwich no less than 1.35 in. of rain fell during the week, but in none of the rain gauges in this neighbourhood was more than about the third of an inch registered.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
							Total of Districts.	ROYAL INFIRMARY.					CHILDREN		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	1	*1	..	+1	..	..	3	3	2	..	1	..	1	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	1	2	..	..	..	6
Scarlatina .....	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	8
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	2	..	..	..	..	2	..	..	..	..	..	..	6	11
Dysentery .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	1
Continued Fever.....	1	1	1	+2	..	§3	8	10	||5	..	..	..	¶5	1	..
Erysipelas .....	..	..	..	..	..	1	1	..	..	..	1	..	1	..	..
Rheumatism .....	..	..	1	..	1	..	2	12	2	12	..	..	1	..	..
Neuralgic Affections .....	..	..	..	..	..	..	..	..	1	3	..	1	..	..	3
Constitutional Syphilis .....	..	..	..	..	..	..	..	8	..	5	..	1	..	..	1
Phthisis .....	..	2	..	1	..	1	4	5	..	15	3	..	2	..	2
Insanity .....	..	..	1	..	..	..	1	6	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	..	..	3	2	..	6	19	..	30	..	2	4	2	18
Pleurisy and Pneumonia.....	..	1	..	..	..	..	1	2	..	2	1	..	..	..	1
Skin Diseases.....	..	..	..	..	..	..	..	14	..	11	..	..	..	3	17
Dyspepsia .....	..	1	..	..	1	..	2	..	1	9	..	..	..	3	12
Accidents and diseases not classified.....	16	9	11	6	2	20	64	51	40	262	7	3	11	50	21
TOTAL	19	17	15	13	6	26	96	130	51	350	15	7	26	66	101
* Not Vaccinated. † Removed to Workhouse. ‡ Typhus, removed to Workhouse. § Typhus. || 3 Typhus and 2 Typhoid.															

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) " J. BROADBENT,

(3) " EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Mr. OCTAVIUS DEAN,

(6) " LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REEF,
- (9) } Mr. THOMAS LEEDS,

(10) } " W. H. SUTCLIFFE,

(11) } " GEORGE CLEMENTS,

(12) }
- (13) Mr. H. RUNO,

(14) Dr. WHITEHEAD,

(15) " SHEPHERD,

(16) Mr. J. TEAL,

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 27th day of May, 1865.

SALFORD.					HULME.			CHORLTON.		ARD-WICK.	PENDLETON AND PENDLEBURY.						DEATHS.
... 1,329 .....					... 477. ....			... 646. ...		508.	..... 2650.....				Area in Statute Acres.	
... 70,967. ....					... 68,209. ...			... 44,850 ..		21739	.....24,448.....				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's											
17	18	19	20	21	22	23	24	25	26	27	28						
..	1	1	..	..	..	..	3	2	..	..	3	21	13	Small-pox .....	..	
2	..	..	..	..	..	..	..	..	..	..	..	2	3	Chicken-pox .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	9	20	Measles .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	2	8	Scarlatina .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..	
..	..	..	..	..	..	..	..	..	..	..	..	9	10	Whooping-cough ....	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..	
..	..	1	..	1	2	2	..	1	1	..	..	27	37	Diarrhoea .....	..	
..	..	..	..	..	..	..	..	..	..	..	1	3	7	Dysentery .....	..	
2	4	4	6	..	..	2	..	..	2	3	3	55	36	Continued Fever	4	
..	..	1	..	..	..	1	..	..	..	..	1	6	9	Erysipelas .....	..	
1	1	..	3	1	1	4	2	..	2	1	2	5	52	Rheumatism .....	..	
..	..	..	..	..	..	..	..	..	..	..	1	10	15	Neuralgic Affections ..	..	
..	2	..	4	..	..	..	..	..	..	..	3	28	35	Constitutional Syphilis	..	
1	..	1	8	..	1	..	..	..	..	1	3	48	76	Phthisis	9	
1	..	..	..	..	..	..	..	..	..	..	3	11	16	Insanity .....	..	
4	2	1	21	4	2	6	6	5	4	4	4	7	151	Bronchitis, Influenza, and Catarrh.....	6		
..	..	..	5	..	..	1	..	..	..	..	2	15	14	Pleurisy & Pneumonia.	..	
..	..	5	10	..	3	..	..	..	1	..	21	85	92	Skin Disease.....	..	
4	..	..	7	2	..	1	..	3	1	1	2	52	91	Dyspepsia .....	..	
8	5	5	104	..	6	4	5	4	38	5	37	39	772	726	Accidents and diseases not classified.....	19	
2	16	17	171	7	14	17	19	15	48	15	49	94	1358	1400	TOTAL.....	38	

2 Typhus and 3 Febricula. ** 1 Removed to Workhouse. †† 3 Removed to Workhouse. †† 1 Typhus. ‡ 2 Typhoid.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J.V.L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	2	..	1	..	..	..	e1	..	..	4	1
Measles .....	..	2	1	..	..	1	..	..	..	1	..	5	5
Whooping-cough.....	2	..	..	1	..	..	..	..	..	2	..	5	5
Scarlatina .....	..	1	..	..	1	..	..	1	..	1	1	2	18
Diarrhoea	1	..	..	..	..	3	..	..	..	1	1	9	2
Fever .....	..	1	a3	a1	..	2	c1	1	1	..	..	10	9
Diseases of the Lungs ..	9	12	12	5	1	7	4	..	2	8	1	61	46
Other causes.....	17	12	20	b13	12	2	12	d6	f8	13	13	128	95
TOTAL NO. OF DEATHS.	29	28	38	20	15	15	17	8	12	26	16	224	181
TOTAL NO. OF BIRTHS.	33	39	8	18	20	42	11	17	23	56	20	287	402

a Typhus. b 4 Inquests. c Typhoid. d 1 Inquest. e Aged 3 years, not vaccinated. f 3 Erysipelas.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	4 Weeks ending 29th April	TOTAL.	DISEASE.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	4 Weeks ending 29th April	TOTAL
14	17	15	46	.....Small-pox.....	71	76	68	215
..	7	13	20	.....Chicken-pox.....	5	6	2	13
38	50	10	98	.....Measles.....	59	26	23	108
28	39	14	81	.....Scarlatina.....	27	25	27	79
5	3	1	9	.....Diphtheria.....	2	..	1	3
57	110	64	231	....Whooping-cough....	25	31	31	87
..	4	5	9	.....Croup.....	7	3	1	11
230	328	366	924	.....Diarrhoea.....	106	133	95	339
3	1	5	9	.....Dysentery.....	13	8	10	31
..	..	..	..	.....Cholera.....	..	..	..	..
14	32	26	72	.....Erysipelas.....	28	25	24	77
..	..	..	..	....Puerperal Fever....	..	..	..	..
18	20	8	46	.....Insanity.....	42	56	47	145
1206	1739	1006	3951	..Bronchitis and Catarrh..	1194	1141	778	3113
16	18	14	48	.....Pleurisy.....	82	102	62	246
11	44	14	69	.....Pneumonia.....	..	..	..	..
2	7	8	17	.....Carbuncle.....	..	..	..	..
3301	4863	3654	11818	{ Accidents, and all other Diseases. }	4333	5199	4650	14182
4943	7282	5223	17448	.....TOTAL.....	5994	6836	5819	18649

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN APRIL.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T.MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Penketh	1.959	.....	9						
Royton	1.475	.....	9						
Castleton Moor	1.474	.....	8						
Eccles.....	1.102	.....	16						
Old Trafford..	1.082	.....	8						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.979	29.992	29.983	29.953	29.972	29.990
Highest.....				30.052	30.076	30.083	29.593	30.144	29.700
Lowest				29.675	29.688	29.729	29.236	29.766	29.350
Range				0.377	0.388	0.354	0.362	0.378	0.350
Temperature.									
Adopted Mean					61.5	60.1	58.5	60.5	58.6
Range for Week					37.8	36.6	39.0	33.5	36.9
Daily Range.....					24.1	22.7	24.5	25.8	22.6
Maximum in Shade					80.8	78.5	78.7	79.8	77.2
Minimum in Shade					43.0	41.9	39.7	41.3	40.3
Temperature of Dew Point					51.3	48.5	48.0	49.0	47.4
Hygrometrical condition of the Atmosphere.				GKS.	GRS.	GRS.	GRS.	GRS.	GRS
Degree of Humidity (Saturation—1,000).....				0.755	0.695	0.656	0.670	0.656	0.664
Prevailing Winds					SW	NE,SE	SW	SE,N	SW
Rain					0.372	0.265	0.360	0.276	0.249
Ozonometer.									
Moffat					1.14	0.71	0.86	.....	..
Schonbein					0.86	0.00	....	1.70	..

May 27, 1865.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, JUNE 3, 1865.

No. 253.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 3rd instant, 1,211 new cases of disease and injuries occasioned by accidents were seen in the public practice of Manchester and Salford; in the preceding week there were 1,358, and in the corresponding one of last year 1,381.

The seizures from Small-pox fell from 21 to 8; 5 of them were observed among the patients of the Salford Dispensary, in persons who had never been vaccinated,—three in one house.

In the preceding return 2 cases of Scarlet Fever were recorded—in the present only one.

Diarrhoea and Dysentery exhibit a slight increase, the respective number of cases for the two last weeks being 30 and 38.

Of 60 cases of Continued Fever, 17 proved examples of Typhus and 2 of Typhoid Fever. Four sufferers from Typhus were admitted into the Salford Workhouse and 2 into the Chorlton; 3 more were removed to the Fever Ward of the Royal Infirmary.

Bronchitis and kindred affections of the chest, including Pleurisy and Pneumonia are on the decline, the respective number of cases for the three last weeks being 189, 166, and 145.

Rheumatism and Neuralgic Affections are much less prevalent than they were a fortnight ago.

On the whole the present disease return may be looked upon as decidedly favorable. Mr. George Clements directs special attention to the satisfactory state of the public health in the extensive district (No. III. of the Royal Infirmary) which is intrusted to his charge.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 227 deaths were registered in the eleven districts from which the returns of the Association are received; in the corresponding week of last year there were 194.

As might be anticipated, with the advance of the season, the intensity of Diarrhoea is on the increase, while deaths due to Diseases of the Chest are becoming less frequent. A fortnight ago 8 deaths were ascribed to the former disease, last week 14.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 58.3°; at Old Trafford it was 54.5°.

In the neighbourhood of London upwards of an inch of rain was measured, at these stations the quantity was somewhat less.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	1	2	..	3	..	..	..	..	1	..	..	2
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	2	..	..	..	..	..	2	4
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	1	1	..	..	1	..	3	..	..	..	..	..	..	9	3
Dysentery .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Continued Fever.....	*2	1	..	†3	‡1	§3	10	13	||4	¶2	1	••3	¶2	..	..
Erysipelas .....	..	..	..	..	..	..	..	1	..	1	..	..	1	..	..
Rheumatism .....	..	1	1	..	1	..	3	2	1	10	1	1	2	1	1
Neuralgic Affections .....	..	..	..	..	..	..	..	..	..	3	..	..	..	..	3
Constitutional Syphilis .....	..	..	..	1	..	..	1	10	..	8	..	..	..	..	5
Phthisis	1	1	..	1	..	..	3	2	2	19	2	2	2	1	2
Insanity .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	3	3	1	1	1	5	14	12	..	35	1	3	1	2	6
Pleurisy and Pneumonia....	2	..	..	..	..	..	2	2	2	6	..	..	1	..	..
Skin Diseases.....	1	1	..	..	..	..	2	12	..	7	..	..	..	3	18
Dyspepsia .....	..	1	..	..	..	..	1	..	..	10	..	..	..	2	8
Accidents and diseases not } classified..... }	18	2	11	6	6	7	50	47	41	229	2	5	10	41	16
TOTAL	28	11	14	13	12	16	94	104	51	330	7	15	19	61	68

* Typhoid. † Typhus, removed to Workhouse. ‡ Removed to Workhouse. § 1 Typhus. || 3 Typhus and 1 Febricula

Medical Officers to whom the Associates

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Mr. OCTAVIUS DEAN,

(6) „ LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REEF,
- (9) } Mr. THOMAS LEEDS,

(10) } „ W. H. SUTCLIFFE,

(11) } „ GEORGE CLEMENTS,

(12) }
- (13) Mr. H. RUNO

(14) Dr. WHITEH

(15) „ SHEPHE

(16) Mr. J. TEALH

SANITARY ASSOCIATION.

CTIONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 3rd day of June, 1865.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.
..... 1,329 .....					..... 477.....			... 646...		508.	..... 2650.....				Area in Statute Acres.	
..... 70,967. ....					... 68,209. ...			.. 44,850..		21739	..... 24,448				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
Greengate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's										
16	17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	§§5	..	..	1	..	..	..	..	..	..	8	6	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	Chicken-pox .....	..
..	1	..	..	..	..	..	..	..	..	1	..	..	8	11	Measles .....	..
..	..	..	..	..	1	..	..	..	..	..	..	..	1	22	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	1	..	..	..	..	..	1	..	..	..	10	7	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
1	..	1	1	4	..	..	2	4	2	2	..	2	37	27	Diarrhoea	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	Dysentery .....	..
¶1	††3	‡‡4	3	..	¶1	..	10	..	..	..	‡‡1	‡‡2	60	27	Continued Fever	6
..	..	1	..	..	..	..	2	..	..	..	..	..	6	9	Erysipelas .....	..
..	1	..	4	..	2	..	1	..	1	2	2	2	37	71	Rheumatism .....	..
..	..	..	2	..	..	..	..	..	..	..	..	..	8	14	Neuralgic Affections ..	..
..	2	..	1	..	..	..	..	..	..	..	..	2	32	39	Constitutional Syphilis	..
1	1	..	9	..	..	1	1	..	1	..	1	5	56	64	Phthisis	10
1	..	1	..	..	..	..	..	..	2	..	..	4	9	13	Insanity	1
3	2	..	8	1	2	6	4	3	1	4	5	6	123	115	Bronchitis, Influenza, and Catarrh.....	4	
..	1	..	2	..	..	..	2	..	1	..	..	3	22	11	Pleurisy & Pneumonia.	3
1	1	7	5	..	..	2	..	..	1	1	1	..	61	85	Skin Disease.....	..
..	2	..	5	..	1	..	..	5	2	1	2	1	42	86	Dyspepsia .....	..
4	6	14	90	1	5	5	6	2	39	5	43	25	690	766	Accidents and diseases not classified.....	24	
12	20	28	136	6	12	15	28	14	51	16	55	52	1211	1381	TOTAL.....	50	

Febricula. ** 2 Typhus and 1 Febricula. †† 1 Removed to Workhouse. ‡‡ Typhus. §§ All unvaccinated, 3 in one house.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	2	..	..	..	..	..	..	..	..	1	..	3	2
Measles	2	..	..	..	..	2	..	..	..	1	..	5	4
Whooping-cough.....	1	..	..	..	..	..	..	f2	1	..	..	4	6
Scarlatina .....	..	3	..	1	1	..	..	..	..	..	..	5	12
Diarrhoea	3	..	..	..	3	..	..	2	3	1	2	14	4
Fever	1	2	25	..	d1	d1	..	..	2	e1	1	14	4
Diseases of the Lungs ..	11	11	3	5	..	5	3	..	5	7	1	51	45
Other causes.....	a19	b12	15	3	14	e8	e13	7	11	b20	e9	131	117
TOTAL NO. OF DEATHS.	39	28	23	9	19	16	16	11	22	31	13	227	194
TOTAL NO. OF BIRTHS.	42	35	24	13	20	23	32	30	18	51	19	307	328

a 5 Inquests. b 4 Inquests. c Typhus. d Typhoid. e 1 Inquest. f Croup.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	4 Weeks ending 29th April	TOTAL.	DISEASE.	4 Weeks ending 25th Feb.	5 Weeks ending 1st April.	4 Weeks ending 29th April	TOTAL
14	17	15	46	.....Small-pox.....	71	76	68	215
..	7	13	20	.....Chicken-pox.....	5	6	2	13
38	50	10	98	.....Measles.....	59	26	23	108
28	39	14	81	.....Scarlatina.....	27	25	27	79
5	3	1	9	.....Diphtheria.....	2	..	1	3
57	110	64	231	....Whooping-cough....	25	31	31	87
..	4	5	9	.....Croup.....	7	3	1	11
230	328	366	924	.....Diarrhoea.....	106	133	95	339
3	1	5	9	.....Dysentery.....	13	8	10	31
..	..	..	..	.....Cholera.....	..	..	..	..
14	32	26	72	.....Erysipelas.....	23	25	24	77
..	..	..	..	....Puerperal Fever....	..	..	..	..
18	20	8	46	.....Insanity.....	42	56	47	145
1206	1739	1006	3951	..Bronchitis and Catarrh..	1194	1141	778	3113
16	18	14	48	.....Pleurisy.....	82	102	62	246
11	44	14	69	.....Pneumonia.....	..	..	..	..
2	7	8	17	.....Carbuncle.....	..	..	..	..
3301	4863	3654	11818	{ Accidents, and all other Diseases. }	4333	5199	4650	14182
4943	7282	5223	17448	.....TOTAL.....	5994	6836	5819	18649

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. O. BATES.
	Inches.	Wet Days.							
Penketh	3.401	.....	20						
Old Trafford..	3.187	.....	21						
Royton.....	3.165	.....	18						
Eccles.....	2.884	.....	22						
Castleton Moor	2.784	.....	18						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.848	29.820		29.836	29.805	29.850
Highest.....				30.092	30.072		29.586	30.132	29.692
Lowest.....				29.524	29.434		29.050	29.565	29.160
Range				0.568	0.638		0.536	0.566	0.532
Temperature.									
Adopted Mean				53.4	54.5		52.2	54.8	52.3
Range for Week					19.3		20.0	17.1	17.2
Daily Range					13.7		14.0	12.8	14.2
Maximum in Shade					67.3		65.0	64.8	63.2
Minimum in Shade					48.0		45.0	47.7	46.0
Temperature of Dew Point				48.6	49.2		48.8	48.3	47.7
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.836	0.818		0.878	0.782	0.842
Prevailing Winds					SW,W,E		SW,W	SW,W,E	SW
Rain					0.979		0.935	0.782	0.814
Ozonometer.									
Moffat					2.29		....	.....	..
Schonbein.....					1.86		3.80	3.90	..

June 3, 1865.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, JUNE 10, 1865.

No. 254

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 10th instant, 1,058 new cases of disease and injuries occasioned by accidents were observed in connection with the public practice of Manchester and Salford; in the corresponding week of last year there were 1,370.

The return might be looked upon as unusually favourable if experience had not shown that, during the holidays of Whit-week, the applications for medical advice are less numerous than usual.

There were 11 cases of Small-pox, 5 of which were seen in District No. III. of the Royal Infirmary; 4 of these patients had never been vaccinated.

Not a single case of Scarlet Fever was recorded; in the two preceding weeks there were only 2 and 1.

The seizures from Continued Fever fell from 60 to 36, 14 of them proved examples of Typhus; 4 cases of the latter disease were admitted into the Salford Workhouse, 3 more were seen in St. Andrew's District, and 3 in District III. of the Royal Infirmary.

Under Bronchitis and kindred affections of the chest we observe a decrease of 35 cases, the number for the two last weeks being 145 and 110.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 207 deaths were registered in the eleven districts from which the returns of the Association are received; in the preceding week there were 227, and in the corresponding one of last year 201.

The deaths from Diarrhœa fell from 14 to 10. It would thus appear that the warm weather has not as yet been followed by that intensity of Diarrhœa which we are usually called upon to record with the advance of the season.

Fever carried off 14 persons, and Whooping Cough 7.

In London, according to the last return of the Registrar General, the deaths exceeded the average by 115. A man, aged 34 years, is said to have died from a wound in the head, inflicted by the spur of a gamecock. A case of Hydrophobia, also, in which the patient was bitten by a dog about nine weeks previously, terminated fatally.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 63·6°; at Old Trafford, the warmest of the Manchester stations, it was 61·6°, or 3 degrees lower.

JOHN ED. MORGAN, M.B., M.A., Hon. Sec.

MANCHESTER AND SALL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		" " 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	*1	..	..	1	..	1	3	..	..	..	..	..	††5	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	1	1	3	5	..	..	..	..	..	..	1	4
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	4
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	..	1	1	1	1	..	4	1	..	..	..	..	..	3	4
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	†2	†3	..	..	..	||2	7	6	†2	••3	..	1	††3	1	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism .....	..	..	..	1	..	..	1	8	3	6	1	..	3	1	3
Neuralgic Affections .....	..	..	..	..	..	..	..	..	3	8	..	1	..	..	1
Constitutional Syphilis .....	..	..	..	1	..	..	1	3	..	4	..	..	..	1	..
Phthisis .....	..	1	..	..	..	..	1	5	2	10	..	1	2	..	..
Insanity .....	..	..	..	..	..	..	..	7	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	2	..	1	..	3	8	7	1	27	..	4	1	2	10
Pleurisy and Pneumonia....	..	..	..	..	..	..	..	1	1	2	1	..	..	..	..
Skin Diseases.....	..	2	1	..	..	..	3	12	..	7	..	..	..	1	8
Dyspepsia .....	..	..	..	..	1	..	1	..	..	10	..	..	..	2	14
Accidents and diseases not classified.....	14	4	7	6	4	6	41	41	36	257	4	4	6	25	5
TOTAL	19	13	9	12	7	15	75	91	48	324	6	11	21	37	53

* Removed to Workhouse. † 1 Removed to Workhouse. ‡ 3 Typhus, removed to Workhouse. §§ 1 Removed to Workhouse.
§ Aged 2 years not vaccinated, removed to Workhouse.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Mr. OCTAVIUS DEAN,

(6) „ LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REEF,
- (9) } Mr. THOMAS LEEDS,

(10) } „ W. H. SUTCLIFFE,

(11) } „ GEORGE CLEMENTS,

(12) }
- (13) Mr. H. RUNCO,

(14) Dr. WHITEHEAD,

(15) „ SHEPHERD,

(16) Mr. J. TEALE,

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 10th day of June, 1865.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.							DEATHS.
1,329					477			646		508	2650					Area in Statute Acres.		
70,967					68,209			44,850		21739	24,448					Population in 1861.		
ORLAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work-house.	Total.	Corresponding Week last Year.	DISEASES.			
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's												
17	18	19	20	21	22	23	24	25	26	27	28							
..	..	2	..	..	..	..	..	1	..	..	..	11	2	Small-pox .....	..		
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Chicken-pox .....	..		
1	..	1	..	..	..	..	..	..	..	..	..	12	10	Measles	1
..	..	..	..	..	..	..	..	..	..	..	..	..	24	Scarlatina .....	..		
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..		
..	..	1	..	..	..	1	..	..	..	..	..	8	6	Whooping-cough ....	..		
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..		
2	..	2	2	..	..	2	..	3	1	..	3	32	30	Diarrhoea .....	..		
..	..	..	..	..	..	..	..	..	..	..	..	1	2	Dysentery .....	..		
**2	4	3	..	..	..	..	..	..	..	..	1	36	21	Continued Fever	4
1	..	..	..	..	..	..	..	..	..	..	..	1	7	Erysipelas .....	..		
..	1	6	1	..	..	..	1	3	2	2	..	46	67	Rheumatism .....	..		
..	..	1	..	..	..	..	..	..	..	..	..	14	17	Neuralgic Affections ..	..		
1	2	2	..	..	..	..	..	..	1	..	1	16	34	Constitutional Syphilis	..
..	..	7	..	..	..	..	2	..	..	1	2	33	68	Phthisis	10
1	3	..	..	..	..	..	2	..	..	..	5	18	11	Insanity .....	..		
3	..	14	2	..	2	..	3	4	2	3	6	100	164	Bronchitis, Influenza, and Catarrh.....	2			
2	..	1	..	..	1	..	..	..	..	..	1	10	10	Pleurisy & Pneumonia.	4
1	..	13	1	..	..	..	..	2	1	..	..	50	72	Skin Disease.....	..
..	..	16	1	..	..	1	1	..	2	2	5	56	66	Dyspepsia .....	..		
8	7	49	2	2	..	2	3	37	5	26	45	613	758	Accidents and diseases not classified.....	18			
22	17	118	9	2	3	6	12	50	14	34	69	1058	1370	TOTAL.....	39			

Typhus. ¶ 1 Typhus and 1 Typhoid. ** Febricula. ++ Four have never been vaccinated. †† 3 Typhus and 1 Febricula

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowet.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	..	..	..	1	..	g1	h1	..	..	3	..
Measles	2	2	..	..	1	..	..	..	..	..	..	5	3
Whooping-cough.....	1	2	..	..	..	1	..	..	2	1	..	7	5
Scarlatina	2	..	1	..	..	..	1	..	..	..	..	4	13
Diarrhoea .....	..	1	1	2	..	3	1	..	1	1	..	10	6
Fever	1	2	b5	1	..	d1	d1	..	1	f1	1	14	6
Diseases of the Lungs ..	13	7	2	5	e3	10	3	..	21	6	1	50	50
Other causes.....	a11	12	13	10	11	e8	f16	7	3	19	4	114	118
TOTAL NO. OF DEATHS.	30	26	22	18	15	24	22	8	8	28	6	207	261
TOTAL NO. OF BIRTHS.	16	34	7	12	16	32	10	7	20	46	21	221	304

a 4 Inquests. b 4 Typhus. c Bronchitis. d Typhus. e 2 Inquests. f 3 Inquests. g Not Vaccinated, aged 13 years.
h Aged 25 years. i Typhus, aged 37 years. j Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 1st April.	4 Weeks ending 29th April	4 Weeks ending 27th May.	TOTAL.	DISEASE.	5 Weeks ending 1st April.	4 Weeks ending 29th April	4 Weeks ending 27th May.	TOTAL
17	15	14	46	..... Small-pox.....	76	68	56	200
7	13	9	29	..... Chicken-pox	6	2	3	11
50	10	20	80	..... Measles	26	23	35	84
39	14	17	70	..... Scarlatina.....	25	27	29	81
3	1	3	7	..... Diphtheria.....	..	1	..	1
110	64	61	235	.... Whooping-cough	31	31	30	92
4	5	11	20	..... Croup.....	3	1	..	4
328	366	480	1174	..... Diarrhoea	133	95	115	348
1	5	5	11	..... Dysentery.....	8	10	11	29
..	..	..	..	..... Cholera .....	..	..	..	..
32	26	19	77	..... Erysipelas.....	25	24	23	72
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
20	8	13	41	..... Insanity	56	47	26	129
1739	1006	740	3485	.. Bronchitis and Catarrh..	1141	778	639	2558
18	14	12	44	..... Pleurisy	102	62	72	236
44	14	16	74	..... Pneumonia				
7	8	4	19	..... Carbuncle.....	..	..	..	..
4863	3654	3689	12206	{ Accidents, and all other Diseases. }	5199	4650	4319	14228
7282	5223	5113	17618	..... TOTAL	6836	5819	5418	18073

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Penketh	3.401	20							
Old Trafford..	3.187	21							
Royton	3.165	18							
Eccles.....	2.884	22							
Castleton Moor	2.784	18							
Height of barometer cistern above sea level.....	130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.			
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....	30.328	30.347	30.334	30.343					
Highest.....	30.420	30.438	29.962	30.520					
Lowest	30.106	30.125	29.620	30.230					
Range	0.314	0.313	0.340	0.290.					
Temperature.									
Adopted Mean	60.6	61.6	60.8	60.5					
Range for Week	23.5	33.1	36.0	35.4					
Daily Range.....	13.5	21.5	22.5	21.6					
Maximum in Shade	75.5	82.0	79.0	80.0					
Minimum in Shade	52.0	48.9	43.0	44.6					
Temperature of Dew Point	54.6	53.7	53.8	54.0					
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS
Degree of Humidity (Saturation—1,000).....	0.810	0.775		0.780	0.795				
Prevailing Winds		SW		SW	SW				
Rain		0.003		0.000	0.000				
Ozonometer.									
Moffat		0.71		....	....		
Schon bein		0.57		1.80	3.40				

June 10, 1865.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, JUNE 17, 1865.

No. 255

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 17th instant, 1,363 new cases of disease and injuries occasioned by accidents were seen in the public practice of Manchester and Salford; in the corresponding week of last year the number amounted to 1,424.

There were 11 cases of Small-pox, of which 3 were observed among the patients of the Salford Dispensary and 2 more among those of the Manchester Workhouse.

Scarlet Fever, which only contributed 1 case to our two preceding returns, was observed among 9 patients, 3 of whom resided in District II. of the Royal Infirmary.

Mr. O. Dean refers to 3 cases of Diphtheria, all of which occurred in the same buildings in St. Jude's District.

Of 56 cases of Continued Fever 6 proved examples of Typhus and 3 of Typhoid Fever.

There is a considerable increase under Diarrhœa and Dysentery. In our preceding return only 33 cases were recorded, in the present 78; no fewer than 14 of them were observed at St. Mary's Hospital, and 8 at the Clinical Hospital; 10 more were seen among the prisoners at the City Gaol. The advance of the season sufficiently accounts for this prevalence of Diarrhœa.

Consumption proved very fatal, no fewer than 11 deaths being recorded in connection with the public practice of the town.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 222 deaths were registered in the eleven districts from which our returns are received; in the preceding week there were 207, and in the corresponding one of last year 189.

The deaths from Diarrhœa rose from 10 to 27; of this number 5 occurred in Hulme and 4 each in the St. George's and Ancoats Districts. In the London Road, Pendleton, and Ardwick Districts, no fatal cases were recorded.

In London the deaths from Diarrhœa were more than twice as numerous as in the preceding week.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 57.8° ; at Old Trafford, the warmest of the Manchester stations, it was 57.7° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		,, ,, 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	1	+1	..	..	..	1	3	2	..	..	..	..	1	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Measles .....	..	..	1	2	..	3	6	..	..	..	..	3	..	..	4
Scarlatina	1	..	..	..	..	..	1	..	..	..	..	3	..	..	1
Diphtheria .....	..	..	..	..	||3	..	3	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	3	..	..	..	3	..	..	1	..	..	..	3	4
Croup .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Diarrhoea.....	..	3	..	3	3	2	11	..	..	2	..	..	..	14	8
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	*1	+3	§3	..	§2	¶2	11	12	5	2	..	3	**6	1	..
Erysipelas .....	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Rheumatism .....	..	1	..	1	1	..	3	24	1	12	1	2	1	..	1
Neuralgic Affections .....	..	..	..	..	..	..	..	..	3	10	1	..	..	..	3
Constitutional Syphilis .....	..	..	..	..	..	..	..	8	..	9	..	..	..	1	1
Phthisis	1	1	..	..	..	2	4	7	2	19	2	2	3	2	1
Insanity .....	..	1	..	..	..	..	1	6	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh ..	..	4	2	2	1	5	14	16	1	31	2	1	4	1	9
Pleurisy and Pneumonia....	1	3	..	..	1	..	5	2	1	3	1	..	2	1	..
Skin Diseases.....	4	..	..	1	..	..	5	10	..	13	..	..	1	4	15
Dyspepsia .....	..	..	..	..	1	..	1	..	..	10	..	..	1	1	3
Accidents and diseases not } classified..... }	13	9	11	12	7	22	74	92	21	230	5	12	8	55	8
TOTAL.....	22	26	21	22	19	37	147	179	34	342	12	26	27	84	58

* Removed to Hospital. † Not Vaccinated. ‡ 1 Typhus, removed to Hospital. § 1 Febricula. || All in the same building.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Mr. OCTAVIUS DEAN,

(6) „ LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REEF,
- (9) } Mr. THOMAS LEEDS,

(10) } „ W. H. SUTCLIFFE,

(11) } „ GEORGE CLEMENTS,

(12) }
- (13) Mr. H. RUNNELL,

(14) Dr. WHITEHEAD,

(15) „ SHEPHERD,

(16) Mr. J. TEAL,

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 17th day of June, 1865.

SALFORD.					HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.					
1,329					477			646		508	2650				Area in Statute Acres.	
70,967					68,209			44,850		21739	24,448				Population in 1861.	
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Green-gate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
6	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	3	..	..	..	..	..	1	..	1	..	11	13	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	Chicken-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	13	17	Measles .....	..
..	..	..	1	..	..	..	..	..	..	1	2	..	9	16	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	Diphtheria .....	..
..	..	..	..	..	..	..	1	..	..	..	..	..	12	7	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup .....	..
1	3	..	3	4	1	2	2	..	6	2	2	..	71	31	Diarrhoea	1
3	..	..	2	..	..	..	1	1	..	..	..	..	7	2	Dysentery .....	..
†2	††2	..	4	..	††3	..	4	..	..	..	..	§§1	56	27	Continued Fever	3
..	..	..	..	..	..	1	1	..	1	..	..	..	4	9	Erysipelas .....	..
1	..	..	7	..	..	1	..	1	2	2	1	2	63	75	Rheumatism .....	..
..	..	2	3	..	..	1	..	..	1	1	..	..	25	13	Neuralgic Affections ..	..
..	..	..	3	..	..	..	..	..	..	..	..	1	25	37	Constitutional Syphilis	..
1	..	..	11	..	1	..	1	..	..	1	2	2	61	53	Phthisis	11
1	..	3	1	..	..	..	..	..	..	1	..	4	17	12	Insanity	1
2	3	1	15	2	3	3	..	5	5	2	5	4	131	156	Bronchitis, Influenza, and Catarrh.....	2
..	1	..	3	..	..	1	1	..	..	..	1	..	22	17	Pleurisy & Pneumonia.	1
2	..	3	17	..	..	2	..	..	1	1	..	4	78	89	Skin Disease.....	..
..	..	1	10	..	1	2	2	4	..	2	2	..	40	84	Dyspepsia .....	..
6	7	10	59	1	8	5	..	9	30	4	37	28	713	762	Accidents and diseases not classified.....	17
9	16	20	142	7	17	18	13	20	47	17	53	46	1363	1424	TOTAL.....	38

† Febricula. ** 2 Typhus and 4 Febricula. †† 1 Typhus Removed to Workhouse. ‡ Typhoid. §§ Typhus.

indebted for the annexed Returns.

(17) Dr. SAMUEL BOOTH,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox	1	..	..	..	..	1	..	..	1	1	..	4	..
Measles	1	2	1	1	2	4	..	..	..	1	..	12	1
Whooping-cough	3	1	..	1	..	..	1	..	1	1	1	9	2
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	7
Diarrhoea	4	4	2	..	3	3	3	..	3	5	..	27	13
Fever	a1	..	a3	..	..	..	e4	..	1	g1	..	10	5
Diseases of the Lungs ..	8	7	8	4	b2	9	3	..	5	8	2	56	47
Other causes	11	10	14	4	c8	d13	f8	7	7	19	f3	104	114
TOTAL NO. OF DEATHS.	29	24	28	10	15	30	19	7	18	36	6	222	189
TOTAL NO. OF BIRTHS.	56	44	24	15	14	33	73	23	42	51	28	403	315

a Typhus. b Bronchitis. c 1 Diphtheria. d 2 Diphtheria and 2 Inquests. e 2 Typhus. f 1 Inquest.
g Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 1st April.	4 Weeks ending 29th April.	4 Weeks ending 27th May.	TOTAL.	DISEASE.	5 Weeks ending 1st April.	4 Weeks ending 29th April.	4 Weeks ending 27th May.	TOTAL
17	15	14	46	.....Small-pox.....	76	68	56	200
7	13	9	29	..... Chicken-pox	6	2	3	11
50	10	20	80	..... Measles	26	23	35	84
39	14	17	70	..... Scarlatina.....	25	27	29	81
3	1	3	7	..... Diphtheria .....	..	1	..	1
110	64	61	235	... Whooping-cough ...	31	31	30	92
4	5	11	20	.....Croup.....	3	1	..	4
328	366	480	1174	.....Diarrhoea	133	95	115	348
1	5	5	11	.....Dysentery.....	8	10	11	29
32	..	..	..	..... Cholera .....	..	..	..	..
..	26	19	77	.....Erysipelas.....	25	24	23	72
..	..	..	..	... Puerperal Fever ...	..	..	..	..
20	8	13	41	..... Insanity	56	47	26	129
1739	1006	740	3485	.. Bronchitis and Catarrh..	1141	778	639	2558
18	14	12	44	..... Pleurisy	102	62	72	236
44	14	16	74	..... Pneumonia .....	..	..	..	..
7	8	4	19	..... Carbuncle .....	..	..	..	..
4863	3654	3689	12206	{ Accidents, and all other Diseases. }	5199	4650	4379	14228
7282	5223	5113	17618	..... TOTAL	6836	5819	5418	18073

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN MAY.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T.MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Penketh	3.401	20							
Old Trafford..	3.187	21							
Royton	3.165	18							
Eccles.....	2.884	22							
Castleton Moor	2.784	18							
Height of barometer cistern above sea level.....	130 ft.	123 ft				118ft.	522 ft.	39 ft.	475 ft.
Barometer.	INS.	INS.				INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....	30.414	30.434					30.423	30.425	
Highest.....	30.420	30.452					29.988	30.550	
Lowest	30.218	30.188					29.740	30.294	
Range	0.202	0.264					0.248	0.256	
Temperature.									
Adopted Mean	56.4	57.7					56.4	57.1	
Range for Week	28.8	40.5					41.7	38.6	
Daily Range.....	15.9	26.7					26.9	24.1	
Maximum in Shade	74.0	81.5					76.0	76.0	
Minimum in Shade	45.2	41.0					34.3	37.4	
Temperature of Dew Point	49.1	49.5					47.7	47.1	
Hygrometrical condition of the Atmosphere.	GRS.	GRS.				GRS.	GRS.	GRS.	GRS
Degree of Humidity (Saturation—1,000).....	0.760	0.733					0.725	0.682	
Prevailing Winds		SW,W					SW,W	NW	
Rain		0.000					0.000	0.000	
Ozonometer.									
Moffat		0.00					0.00	0.34	
Schonbein		0.00							

June 17, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, JUNE 24, 1865.

No. 256

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week ending on Saturday, the 24th instant, 1,390 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the preceding week there were 1,363, and in the corresponding one of last year 1,216.

There were 10 cases of Small-pox, of which 3 were admitted as in-patients of the Royal Infirmary, while 3 more were seen among the patients of the Salford Dispensary.

Diarrhœa and Dysentary continue to increase,—the respective number of cases for the three last weeks being 33, 78, and 99. Of these 99 patients 20 applied for relief at the Clinical Hospital and 15 more at St. Mary's. We see in these figures how large a proportion of the sufferers are children.

The seizures from Continued Fever amounted to 48, of this number 15 are specially referred to as examples of Typhus and 3 of Typhoid Fever. 3 of the Typhus cases were met with in district III of the Royal Infirmary, and 3 more in district II.

Bronchitis and kindred affections of the Chest contributed 125 cases to the return, in the corresponding week of last year there were 127.

No fewer than 10 persons are said to have died of consumption in connection with public practice alone.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 266 deaths were registered in the eleven districts from which our returns are received; in the preceding week there were 222, and in the corresponding one of last year only 175.

There were no fewer than 38 fatal cases of Diarrhœa; in the two previous weeks the respective numbers were 10 and 27. In these figures we see the extent to which the continued prevalence of warm weather is producing disturbance of the alimentary canal. 10 of the deaths from this disorder occurred in Hulme, 5 in Regent Road District, and 4 in that of Ancoats, Market Street, and Pendleton. It is important to remember that Diarrhœa in summer, especially in the case of young children, is a far more fatal disease than at other seasons of the year. No time should, therefore, be lost in applying for advice. The increase in the mortality of this disease has been quite as decided in London as in Manchester,—the respective number of cases for the last three weeks being 44, 93, and 187.

At Greenwich Observatory, the mean temperature of the air in the week was 61.1°; at Old Trafford, it was 61.9°. About $\frac{1}{4}$ of an inch of rain was registered in this neighbourhood, at Greenwich none.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	1	3	..	..	..	..	1	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Measles .....	..	..	..	1	..	2	3	..	..	..	..	..	..	..	3
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	1	3	2	3	..	2	11	..	..	11	..	..	..	15	20
Dysentery .....	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Continued Fever.....	..	*1	†1	..	†2	†7	11	7	‡4	..	§1	||3	¶6	2	..
Erysipelas .....	..	..	..	2	..	..	2	..	..	..	..	1	..	..	..
Rheumatism .....	..	..	1	..	..	..	1	20	1	13	..	1	3	..	1
Neuralgic Affections .....	..	..	..	..	..	..	..	..	2	3	..	..	..	..	3
Constitutional Syphilis .....	..	..	1	..	..	1	2	5	..	13	..	..	..	..	1
Phthisis .....	..	..	1	..	1	1	3	3	..	24	2	4	2	..	2
Insanity .....	..	1	..	..	..	..	1	2	..	..	..	..	..	..	..
Bronehitis, Influenza & Catarrh ..	..	2	..	2	..	4	8	12	..	28	2	..	..	1	12
Pleurisy and Pneumonia.....	..	..	..	..	..	..	..	1	1	2	..	1	..	..	..
Skin Diseases.....	..	1	..	..	..	..	1	14	..	18	..	..	1	1	12
Dyspepsia	1	1	..	..	..	..	2	..	..	26	1	..	5	5	9
Accidents and diseases not classified.....	18	6	11	3	5	12	55	54	43	250	3	7	12	64	13
TOTAL	20	15	17	11	9	29	101	119	54	388	9	18	29	90	78

* Typhus, removed to Workhouse.

† Febricula.

‡ 2 Typhus and 2 Typhoid.

§ Typhus.

¶ Typhus removed to Workhouse.

|| Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON,

(5) Mr. OCTAVIUS DEAN,
(6) „ LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REEF,

(9) Mr. THOMAS LEEDS,
(10) „ W. H. SUTCLIFFE,
(11) „ „
(12) „ GEORGE CLEMENTS,

(13) Mr. H. RUNCK,
(14) Dr. WHITEHEAD,
(15) „ J. OGDEN,
(16) Mr. J. TEALE,

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 24th day of June, 1865.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.						DEATHS.
..... 1,329 .....					..... 477 .....			... 646 ...		508.	..... 2650				Area in Statute Acres.	
..... 70,967. ....					... 68,209. ...			.. 44,850 ..		21739	..... 24,448				Population in 1861.	
DOOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
Green-gate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's										
6	17	18	19	20	21	22	23	24	25	26	27	28					
1	§1	..	3	..	..	..	..	..	..	..	..	..	10	9	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Chicken-pox .....	..
..	..	..	..	..	..	..	..	..	3	..	..	..	9	12	Measles .....	..
..	..	..	..	..	..	1	..	..	1	1	1	..	5	17	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	2	..	..	..	..	..	..	..	5	7	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
..	2	1	4	2	..	1	5	2	8	5	3	..	93	50	Diarrhoea	4	
1	..	..	1	..	..	..	..	3	..	..	..	..	6	9	Dysentery .....	..
1	1	§2	3	..	†1	1	2	..	..	..	..	§2	48	24	Continued Fever	6
..	..	..	..	..	..	..	..	..	1	..	1	1	6	13	Erysipelas .....	..
..	1	..	6	..	..	1	2	..	2	1	2	5	62	51	Rheumatism .....	..
..	..	..	3	..	..	..	..	..	..	..	..	..	11	22	Neuralgic Affections ..	..
..	..	..	4	..	..	..	..	..	..	..	..	3	28	26	Constitutional Syphilis	1
..	..	..	12	..	..	..	1	..	..	..	1	3	57	40	Phthisis	10
..	..	2	..	..	..	..	..	..	..	..	..	..	5	7	Insanity .....	..
..	2	1	25	3	3	5	..	5	6	1	6	5	125	127	Bronchitis, Influenza, and Catarrh.....	3	
..	1	..	2	..	..	1	..	..	..	..	..	1	10	13	Pleurisy & Pneumonia.	1
1	..	5	13	..	2	1	..	..	1	1	1	9	81	61	Skin Disease.....	..
..	..	..	10	1	..	2	..	5	2	2	3	1	75	88	Dyspepsia .....	..
5	6	8	85	2	2	17	4	7	24	6	40	39	753	640	Accidents and diseases not classified.....	36	
14	19	171	8	10	30	14	22	48	17	58	69	1390	1216		TOTAL.....	62	

|| Typhus, removed to Fever Ward. ¶ 3 Typhus and 3 Febricula. ** Typhoid. ++ Not Vaccinated, removed to Workhouse.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiptle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	1	..	1	..	3	..	1	..	1	2	9	2
Measles .....	..	..	..	..	1	..	1	..	2	3	1	8	5
Whooping-cough.....	..	..	..	..	..	..	..	..	..	..	..	2	3
Scarlatina .....	..	1	..	1	..	..	..	..	..	..	..	2	10
Diarrhoea	4	2	4	2	1	2	5	4	2	10	2	38	7
Fever	d1	..	b6	..	..	1	2	e2	f1	1	..	14	10
Diseases of the Lungs ..	10	4	6	2	c3	d9	3	..	8	9	5	59	43
Other causes.....	14	20	21	9	10	7	9	9	12	19	6	136	95
TOTAL NO. OF DEATHS.	29	28	37	15	15	22	20	16	25	43	16	266	175
TOTAL NO. OF BIRTHS.	37	31	11	18	20	40	11	17	31	46	16	278	301

a Typhoid. b Typhus. c Bronchitis. d 4 Bronchitis. e 1 Typhus. f Aged 58 years.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 1st April.	4 Weeks ending 29th April	4 Weeks ending 27th May.	TOTAL.	DISEASE.	5 Weeks ending 1st April.	4 Weeks ending 29th April	4 Weeks ending 27th May.	TOTAL
17	15	14	46	.....Small-pox.....	76	68	56	200
7	13	9	29	.....Chicken-pox.....	6	2	3	11
50	10	20	80	.....Measles.....	26	23	35	84
39	14	17	70	.....Scarlatina.....	25	27	29	81
3	1	3	7	.....Diphtheria.....	..	1	..	1
110	64	61	235	....Whooping-cough....	31	31	30	92
4	5	11	20	.....Croup.....	3	1	..	4
328	366	480	1174	.....Diarrhoea.....	133	95	115	348
1	5	5	11	.....Dysentery.....	8	10	11	29
32	26	19	77	.....Cholera.....	..	..	..	..
..	..	..	..	.....Erysipelas.....	25	24	23	72
20	8	13	41	....Puerperal Fever....	..	..	..	..
1739	1006	740	3485	.....Insanity.....	56	47	26	129
18	14	12	44	.....Bronchitis and Catarrh..	1141	778	639	2558
44	14	16	74	.....Pleurisy.....	102	62	72	236
7	8	4	19	.....Pneumonia.....	..	..	..	..
4863	3654	3689	12206	.....Carbuncle.....	..	..	..	..
7282	5223	5113	17618	{ Accidents, and all other Diseases. }	5199	4650	4379	14228
7282	5223	5113	17618	.....TOTAL.....	6836	5819	5418	18073

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN MAY.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches. Wet Days.									
Penketh	3.401	.....	20						
Old Trafford..	3.187	.....	21						
Royton	3.165	.....	18						
Eccles.....	2.884	.....	22						
Castleton Moor	2.784	.....	18						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				30.283	30.318		30.290	30.293	30.304
Highest:.....				30.348	30.336		29.861	30.424	29.954
Lowest				30.120	30.104		29.627	30.200	29.732
Range				0.228	0.232		0.234	0.224	0.222
Temperature.									
Adopted Mean				61.5	61.9		59.5	62.8	59.8
Range for Week				28.5	40.7		39.3	44.7	37.5
Daily Range.....				20.2	29.2		26.6	30.4	23.2
Maximum in Shade				81.0	87.7		84.3	88.0	83.0
Minimum in Shade				52.5	47.0		45.0	43.3	45.5
Temperature of Dew Point				54.4	53.0		48.0	50.9	48.0
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS
Degree of Humidity (Saturation—1,000).....				0.780	0.730		0.656	0.650	0.645
Prevailing Winds					SW,SE		E,SW	NW	E,SW
Rain					0.250		0.325	0.310	0.182
Ozonometer.									
Moffat					0.00		....	.....	....
Schonbein					0.00		0.00	2.60	....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

L. V.]

WEEK ENDING SATURDAY, JULY 1, 1865.

No. 257

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 1st instant, 1,435 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the preceding week there were 1,390, and in the corresponding one of last year ~~1,329~~ 1293.

The Diarrhœa Return constitutes the most unfavourable feature in the present report; the cases rose from 99 to 108. No fewer than 10 of them have proved fatal. This proportion of deaths is very large, and speaks to the virulence of the disease. No fewer than 25 of the patients applied for relief at St. Mary's Hospital and 11 more at the Clinical Hospital. In the Regent Road District 1 case is specially referred to as an example of Cholera.

Of 67 cases of Continued Fever 15 are entered as Typhus and 6 as Typhoid Fever. 6 cases of the former disease were admitted as in-patients of the Royal Infirmary, and 3 more were seen in district III connected with that institution. Only 2 cases of Scarlet Fever were seen during the week.

The seizures from Small-pox amount to 8,—3 of which were seen among the patients of the Salford Dispensary. 2 deaths are attributed to this disease in public practice alone.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 304 deaths were registered in the eleven districts from which the returns of the Sanitary Association are derived; in the two preceding weeks the respective numbers were 222 and 266. 25 of the above deaths occurred in the case of persons on whom it was deemed proper to hold an inquest; hence a considerable proportion of them ought probably to be distributed over several preceding weeks; still, whatever allowance is made, the death-rate must be deemed high and the state of the public health far from satisfactory.

The most fatal disorder at the present time is Diarrhœa; it carried off no fewer than 76 persons. In the Ancoats district alone 13 died, 11 of the number being under one year. 11 more fatal cases were registered in Hulme and 10 in Greengate. During the three last weeks the increase in the mortality from this disease has been remarkably rapid, the respective numbers being 27, 38, and 76. Some decisive steps should be taken to warn the poor of the danger attending delay in applying for medical assistance in these cases. In London the deaths from this disorder amounted 184. This number though considerable is relatively to population far below what it was in Manchester.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 59.5°; at the Royal Infirmary, it was 60.6°; and at Old Trafford, it was 60.4°. In the neighbourhood of London rain fell to the amount of 1.41; at Old Trafford, 0.29 inch; and at Eccles, 0.32.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								,, ,, 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	2	..	..	3	5	..	..	..	..	..	..	3	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	3
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	2	1	..	1	5	5	14	..	..	3	..	3	..	25	11
Dysentery .....	..	..	..	..	..	1	1	..	..	..	..	..	..	2	..
Continued Fever.....	*1	*1	†2	1	‡4	§3	12	15	||4	1	¶1	**3	††6	2	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism	1	..	..	1	..	..	2	23	2	14	..	3	3	1	3
Neuralgic Affections	1	..	..	..	..	..	1	2	1	2	1	2	..	..	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	7	..	12	..	..	..	..	..
Phthisis .....	..	1	1	..	..	2	4	6	..	16	..	..	2	1	..
Insanity .....	..	..	1	..	..	1	2	4	..	..	..	..	1	..	..
Bronchitis, Influenza & Catarrh	1	2	2	3	..	3	11	16	..	28	3	3	3	3	9
Pleurisy and Pneumonia.....	1	1	..	1	..	..	3	2	1	4	2	..	1	..	1
Skin Diseases.....	..	..	..	..	..	..	..	9	..	4	..	..	..	3	9
Dyspepsia .....	..	1	..	..	1	..	2	..	..	21	2	..	2	4	15
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	16	3	9	8	4	16	56	71	40	260	3	7	11	50	10
TOTAL	23	10	17	15	14	34	113	155	49	365	12	21	31	95	61

* Typhus, removed to Workhouse. † 1 Febricula. ‡ 3 Febricula. § 1 Typhus and 2 Febricula.
|| Aged 50 years, not Vaccinated. ¶ 2 Typhus and 1 Typhoid, 2 removed to Workhouse.

Medical Officers to whom the Associates

- (1) Mr. R. M. MANN.

(2) „ J. BROUBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD

(7) Mr. A. PHILLIPS,

(8) Dr. GEORGE REEF,
- (9)

(10) } Mr. THOMAS LEEDS,

(11) } „ W. H. SUTCLIFFE,

(12) } „ GEORGE CLEMENTS,
- (13) Mr. H. RUNCO

(14) Dr. WHITEH

(15) „ J. OGDEN

(16) Mr. J. TEALE

SANITARY ASSOCIATION.

DISTRICTS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 1st day of July, 1865.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.				Area in Statute Acres. Population in 1861.		DEATHS.
..... 1,329 .....					..... 477 .....			... 646 ...		508.	..... 2650					
..... 70,967. ....					... 68,209. ...			.. 44,850 ..		21739	..... 24,448					
POOR LAW DISTRICT.		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS.			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
Greenacre.	Regent Road.	Workhouse.	Dispensary.	New Bailey.	St. George's.	Medlock.	St. Philip's.										
6	17	18	19	20	21	22	23	24	25	26	27	28					
51	..	..	3	..	..	..	..	..	..	2	..	1	8	11	Small-pox	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	Chicken-pox .....	..
..	..	..	4	..	..	..	..	..	1	..	..	..	13	6	Measles .....	..
..	..	..	..	..	..	1	..	..	..	..	..	..	2	9	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	..	1	..	..	..	7	6	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
3	..	..	8	1	4	4	2	1	12	4	4	..	102	47	Diarrhoea	10
1	..	..	..	..	..	..	1	..	..	..	..	1	6	3	Dysentery .....	..
3	..	1	4	..	3	..	6	5	..	1	..	..	67	31	Continued Fever	5
..	..	1	..	..	1	..	..	..	..	1	2	..	5	6	Erysipelas .....	..
1	2	..	3	1	..	..	..	5	..	2	1	1	67	56	Rheumatism .....	..
..	1	..	1	..	1	..	..	..	..	1	..	..	13	15	Neuralgic Affections ..	..
..	1	..	3	..	..	..	..	..	..	1	1	3	30	22	Constitutional Syphilis	..
1	..	..	6	..	3	3	1	..	2	..	2	1	48	56	Phthisis	8
3	..	8	..	..	..	..	..	..	..	..	..	..	18	14	Insanity .....	..
4	2	1	18	2	2	1	..	3	6	4	7	6	134	113	Bronchitis, Influenza, and Catarrh.....	3	
..	1	..	2	..	..	..	..	..	..	..	..	..	17	8	Pleurisy & Pneumonia.	1
2	..	8	13	..	..	..	..	..	1	2	1	7	59	85	Skin Disease.....	..
3	1	..	14	..	2	3	1	3	1	2	3	2	81	95	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	Atrophy and Anæmia..	..
8	14	12	87	1	..	..	4	14	21	2	38	42	758	707	Accidents and diseases not classified.....	29
0	22	31	166	5	16	12	15	31	45	22	59	64	1435	1296	..... TOTAL	58

Typhus. ¶ Typhoid. ¶ 2 Typhus and 1 Typhoid, removed to Hospital. ¶ 3 Typhus and 3 Febricula.
¶ 1 Cholera. ¶ 1 Typhus and 4 Typhoid.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	1	..	..	1	1	..	..	..	..	3	..
Measles .....	..	4	..	..	..	1	..	..	..	4	..	7	2
Whooping-cough.....	1	1	1	..	..	..	2	..	1	..	..	10	2
Scarlatina	1	1	..	..	1	..	..	..	..	1	..	4	15
Diarrhoea	a13	7	2	6	8	10	5	3	8	11	3	76	14
Fever .....	..	..	2	..	d1	1	h3	..	..	d1	..	8	12
Diseases of the Lungs ..	11	7	8	5	e2	f5	2	1	7	8	3	59	43
Other causes.....	b14	12	e22	8	11	g11	i14	12	10	b17	b6	137	173
TOTAL No. OF DEATHS.	40	32	36	19	23	29	27	16	26	42	14	304	261
TOTAL No. OF BIRTHS.	44	37	19	22	18	32	54	29	33	57	24	369	301

a 11 under 1 year old. b 3 Inquests c 11 Inquests. d Typhus. e Bronchitis. f 1 Group. g i Inquest.
h 1 Typhus and 1 Typhoid. i 7 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 1st April.	4 Weeks ending 29th April	4 Weeks ending 27th May.	TOTAL.	DISEASE.	5 Weeks ending 1st April.	4 Weeks ending 29th April	4 Weeks ending 27th May.	TOTAL
17	15	14	46	..... Small-pox	76	68	56	200
7	13	9	29	..... Chicken-pox	6	2	3	11
50	10	20	80	..... Measles	26	23	35	84
39	14	17	70	..... Scarlatina	25	27	29	81
3	1	3	7	..... Diphtheria .....	..	1	..	1
110	64	61	235	.... Whooping-cough	31	31	30	92
4	5	11	20	..... Croup	3	1	..	4
328	366	480	1174	..... Diarrhoea	133	95	115	348
1	5	5	11	..... Dysentery	8	10	11	29
..	..	..	..	..... Cholera .....	..	..	23	23
32	26	19	77	..... Erysipelas	25	24	..	72
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
20	8	13	41	..... Insanity	56	47	26	129
1739	1006	740	3485	.Bronchitis and Catarrh..	1141	778	639	2558
18	14	12	44	..... Pleurisy	102	62	72	236
44	14	16	74	..... Pneumonia .....	..	..	..	..
7	8	4	19	..... Carbuncle .....	..	..	..	..
4863	3654	3689	12206	{ Accidents, and all other Diseases. }	5199	4650	4379	14228
7282	5223	5113	17618	..... TOTAL	6836	5819	5418	18073

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JUNE.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T.MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Royton	0.975	.....	5						
Old Trafford..	0.957	.....	6						
Eccles.....	0.943	.....	6						
Penketh.....	0.789	.....	6						
Castleton Moor	0.681	.....	4						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.933	29.907	29.911	29.901	29.901	29.920
Highest.....				30.154	30.166	30.189	29.700	30.255	29.810
Lowest				29.410	29.418	29.441	28.955	29.504	29.104
Range				0.744	0.748	0.748	0.745	0.751	0.706
Temperature.									
Adopted Mean				60.6	60.4	58.6	59.4	59.3	58.2
Range for Week				21.0	31.5	27.1	26.8	33.6	26.1
Daily Range				8.1	16.9	14.7	17.9	16.3	15.7
Maximum in Shade				74.0	79.3	75.3	74.8	77.8	73.6
Minimum in Shade				53.0	47.8	43.2	48.0	44.2	47.5
Temperature of Dew Point				52.5	51.2	50.2	50.5	51.9	48.7
Hygrometrical condition of the Atmosphere				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.745	0.715	0.740	0.725	0.765	0.715
Prevailing Winds					SW,NW	NW NE	SW,NW	W,NW	SW,NW
Rain					0.293	0.327	0.045	0.320	0.034
Ozonometer.									
Moffat					0.86	1.85	....	....	....
Schonbein					0.43	....	3.20	4.30	....

July 1, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, JULY 8, 1865.

No. 258

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 8th instant, 1,422 new cases of disease were observed in the public practice of Manchester and Salford; in the preceding week there were 1,435, and in the corresponding one of last year 1,207.

Diarrhœa is still increasing,—the seizures rose from 108 to 151; 27 were seen at St. Mary's Hospital, and 26 more at the Clinical. In the corresponding week of last year there were only 59 cases of this disease.

There were 8 cases of Small-pox, 3 of which occurred in the Greengate District, Salford, and 2 more in District III. of the Royal Infirmary.

Under Continued Fever there is a considerable decrease. In our previous return 67 seizures were recorded, in this 40; 8 of them are specially entered as Typhus cases and 3 as Typhoid. Three of the former were admitted as in-patients of the Royal Infirmary.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

The deaths last week were unusually high, amounting to 312, or 133 more than in the corresponding week of last year. This excessive mortality is mainly to be attributed to Diarrhœa. This disease carried off no fewer than 100 persons, the great majority of them being young children; thus 17 out of 20 Diarrhœa deaths in the Greengate District, and 10 out of 13 in the Ancoats, were in infants under 1 year of age. It is probable that its ravages are not at present confined to the poorest classes of the community, as only 5 of the 100 deaths appear to have occurred in connection with the public practice of the town. Some of the symptoms which have been observed during the last fortnight (we refer more especially to cramp and the "rice-water evacuations") bear a very threatening resemblance to true Asiatic Cholera. It is well, therefore, for the public to bear in mind that Diarrhœa at present, especially in the case of young children, is a very dangerous disease.

According to the Registrar General 11 children and 1 adult died from Cholera last week in London, while the deaths from Diarrhœa rose from 184 to 301.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 66.1°; at Old Trafford, the warmest of the Manchester stations, it was 64.1°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN	
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	1	..	..	..	..	..	1	1	..	..	..	..	2	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	1	..	..	..	..	1	2	..	..	..	..	..	1	..	1
Scarlatina .....	..	..	1	..	1	..	2	..	..	..	..	..	..	1	1
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	2	..	1	3	..	..	..	..	..	..	2	6
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa	1	3	1	3	5	1	14	..	..	5	..	1	2	27	26
Dysentery .....	..	1	1	..	..	..	2	..	..	1	..	..	..	..	..
Continued Fever	1	..	*1	..	*1	1	4	5	†3	..	†1	†2	‡2	2	..
Erysipelas .....	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Rheumatism .....	..	1	..	1	..	..	2	15	1	14	1	..	..	..	1
Neuralgic Affections .....	..	..	..	..	..	..	..	..	2	3	..	..	..	..	2
Constitutional Syphilis .....	..	..	..	..	..	..	..	10	..	9	..	..	..	..	..
Phthisis	1	1	..	..	2	..	4	4	..	13	2	2	9	..	1
Insanity .....	..	..	..	..	..	2	2	5	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	2	4	3	1	5	16	15	2	26	2	..	1	1	12
Pleurisy and Pneumonia .....	..	..	..	..	..	..	..	1	1	1	..	..	1	..	1
Skin Diseases .....	..	1	1	..	..	..	2	14	..	16	..	..	..	3	8
Dyspepsia .....	..	2	..	..	1	..	3	..	..	25	..	..	1	1	8
Atrophy and Anæmia .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified	19	8	7	12	6	10	62	63	44	271	6	9	14	70	21
TOTAL	25	19	16	21	18	21	120	133	53	384	12	14	33	107	88

* Febricula.

† Typhus.

‡ 1 Typhoid and 1 Febricula.

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON,

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REEF,

Medical Officers to whom the Associates

(9) } Mr. THOMAS LEEDS,
(10) } „ W. H. SUTCLIFFE,
(11) } „ GEORGE CLEMENTS,
(12) }

(13) Mr. H. RUNC
(14) Dr. WHITEH
(15) „ J OGDEN
(16) Mr. J. TEALE

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 8th day of July, 1865.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.				Area in Statute Acres. Population in 1861.		DEATHS.
..... 1,329 .....					..... 477.....			... 646... ..		508.	..... 2650.....					
..... 70,967. ....					... 68,209. ...			... 44,850..		21739	..... 24,448					
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.	
Green-gate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancats Dispensary.	Chorlton Union Work-house.	Total.	Corresponding Week last Year.			
6	17	18	19	20	21	22	23	24	25	26	27	28					
3	..	..	1	..	..	..	..	..	..	..	..	..	8	18	Small-pox	1
.	..	..	..	..	..	..	..	..	..	..	..	..	..	3	Chicken-pox .....	..
.	..	..	2	..	..	..	..	..	..	..	1	..	7	15	Measles .....	..
.	..	2	..	..	..	1	..	..	4	..	..	..	11	12	Scarlatina	1
.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
.	..	..	..	..	..	..	..	..	..	..	..	..	11	2	Whooping-cough	1
.	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
4	4	..	15	5	2	5	4	2	16	4	2	1	144	51	Diarrhoea	6	
1	..	..	..	..	..	..	..	3	..	..	..	..	7	8	Dysentery .....	..
2	|| 2	† 1	3	..	¶ 6	1	1	* 2	..	2	..	1	40	32	Continued Fever	5	
.	..	..	..	..	..	..	..	..	..	..	1	..	2	3	Erysipelas .....	..
1	1	..	4	..	2	..	1	..	1	..	..	4	48	50	Rheumatism .....	..
.	..	..	1	..	1	1	..	..	..	..	..	..	10	14	Neuralgic Affections ..	..
.	1	..	3	..	..	..	..	..	2	..	..	4	32	26	Constitutional Syphilis	1
.	1	1	11	..	4	..	1	1	2	..	1	1	58	46	Phthisis	8	
1	1	4	..	..	..	1	..	..	..	..	..	2	16	14	Insanity	2
.	2	1	21	2	2	..	1	4	3	2	6	4	125	115	Bronchitis, Influenza, and Catarrh.....	5	
.	..	..	3	..	..	..	1	..	1	..	..	..	10	8	Pleurisy & Pneumonia.	..
.	..	5	10	..	..	..	..	1	1	..	..	3	63	60	Skin Disease.....	1
.	1	..	14	1	..	1	1	3	1	1	2	2	65	82	Dyspepsia .....	..
.	..	..	..	..	..	..	..	..	..	..	..	..	....	..	Atrophy and Anæmia..	..
6	4	13	54	2	..	3	11	5	20	8	36	45	765	647	Accidents and diseases not classified.....	22	
8	17	27	142	10	17	13	21	21	51	12	49	67	1422	1207	..... TOTAL	53

‡ 1 Typhus and 1 Febricula.

|| Typhus, removed to Workhouse.

¶ 2 Typhoid.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowet.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	1	..	..	1	..	2	..	..	..	..	1	1
Measles.....	1	..	..	..	..	4	1	1	..	1	..	9	..
Whooping-cough.....	4	..	..	..	..	..	..	..	..	..	..	7	7
Scarlatina.....	..	..	1	1	..	..	..	..	..	..	..	2	8
Diarrhoea.....	a13	5	3	8	8	f20	7	3	6	18	9	100	17
Fever.....	b2	..	b4	..	d2	2	..	..	j1	1	..	12	6
Diseases of the Lungs ..	5	5	4	9	e2	4	4	..	1	10	1	45	33
Other causes.....	8	24	c20	5	9	g11	h17	i4	g14	20	4	136	107
TOTAL NO. OF DEATHS.	33	35	32	23	22	41	31	8	23	50	14	312	179
TOTAL NO. OF BIRTHS.	36	36	12	20	14	34	15	19	27	50	24	287	333

a 10 under 1 year old. b Typhus. c 1 Cholera. d 1 Typhoid. e 1 Croup. f 17 under 1 year old.
g 3 Inquests. h 5 Inquests. i 1 Inquest. j Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 29th April	4 Weeks ending 27th May.	5 Weeks ending 1st Jnly.	TOTAL.	DISEASE.	4 Weeks ending 29th April	4 Weeks ending 27th May.	5 Weeks ending 1st Jnly.	TOTAL
15	14	36	65	.....Small-pox.....	68	56	48	172
13	9	14	36	.....Chicken-pox.....	2	3	3	8
10	20	29	59	.....Measles.....	23	35	55	113
14	17	33	64	.....Scarlatina.....	27	29	17	73
1	3	3	7	.....Diphtheria.....	1	..	3	4
64	61	59	184	....Whooping-cough....	31	30	42	103
5	11	3	19	.....Croup.....	1	..	1	2
366	480	997	1843	.....Diarrhoea.....	95	115	335	545
5	5	18	28	.....Dysentery.....	10	11	21	42
..	..	..	..	.....Cholera.....	..	..	..	..
26	19	27	72	.....Erysipelas.....	24	23	22	69
..	..	..	..	....Puerperal Fever....	..	..	..	..
8	13	16	37	.....Insanity.....	47	26	67	140
1006	740	684	2430	..Bronchitis and Catarrh..	778	639	613	2030
14	12	10	36	.....Pleurisy.....	62	72	81	215
14	16	14	44	.....Pneumonia.....	..	..	..	..
8	4	3	20	.....Carbuncle.....	..	..	..	..
3654	3689	4780	12123	{ Accidents, and all other Diseases. }	4650	4379	5149	14178
5223	5113	6731	17067	.....TOTAL.....	5819	5418	6457	17694

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JUNE.				Royal Infirmary, Dr. REED.	Old Trafford, G.V.VERNON, Esq.	Eccles, T.MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W.Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches.		Wet Days.							
Royton	0.975	.....	5						
Old Trafford..	0.957	.....	6						
Eccles.....	0.943	.....	6						
Penketh	0.789	.....	6						
Castleton Moor	0.681	.....	4						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.884	29.890	29.882	29.872	29.867	29.904
Highest.....				30.023	30.034	30.065	29.600	30.118	29.688
Lowest				29.592	29.598	29.593	29.123	29.654	29.250
Range				0.431	0.436	0.472	0.477	0.464	0.438
Temperature.									
Adopted Mean				64.3	64.6	63.5	62.1	63.9	62.0
Range for Week				22.4	37.2	33.6	39.5	38.8	34.2
Daily Range.....				11.9	21.8	19.7	24.9	24.6	20.3
Maximum in Shade				79.3	83.4	80.5	82.0	81.8	80.3
Minimum in Shade				56.9	46.2	46.9	42.5	43.0	46.1
Temperature of Dew Point				57.3	54.7	52.5	51.7	53.0	50.2
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.728	0.706	0.000	0.702	0.670	0.652
Prevailing Winds .....				.....	SW,S	SW,NW	SW,S	SW,S	SW
Rain .....				.....	1.475	0.268	1.635	0.530	1.080
Ozonometer.									
Moffat .....				.....	0.57	0.43	....	.....	....
Schonbein .....				.....	0.57	....	4.30	3.40	....

July 8, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester:

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, JULY 15, 1865. No. 259

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 15th instant, 1,450 new cases of disease were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,435 and 1,422, and in the corresponding one of last year 1,256.

There is again a decided increase under Diarrhœa and Dysentery; a fortnight ago the seizures from these diseases did not exceed 108, the following week they rose to 151, while in that just ended no fewer than 202 were returned. The greatest number of cases were seen at the Clinical Hospital, where 41 patients applied for relief; at St. Mary's Hospital 33 more came under treatment; at the Royal Infirmary 21; at the Chorlton Dispensary 15; and at the Salford Dispensary 13.

Continued Fever still keeps very general—58 cases were recorded, of which 20 proved examples of Typhus and 3 of Typhoid Fever. Five cases of Typhus were seen in District III. of the Royal Infirmary, and 4 more were admitted as in-patients of that Institution.

Under Bronchitis and kindred affections of the chest we observe an improvement during the three last weeks, the respective number of seizures having amounted to 151, 135, and 114.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 278 deaths were registered in the eleven registration districts from which the returns of the Sanitary Association are received; in the preceding week they were still more numerous, though in the corresponding one of last year they did not exceed 179.

In our last return we directed special attention both to the prevalence and virulence of Diarrhœa, no fewer than 100 persons falling victims to the disease. It is satisfactory to observe some improvement under this column,—the number registered was 84. It is probable that young children contributed the chief sufferers. In some districts this heavy infantile mortality is specially referred to; thus, according to the Registrar in the Regent Road District, 13 deaths which he recorded all occurred in children under two years of age.

Continued Fever carried off 16 persons; in 6 of these cases death is ascribed to the Typhus form of that disease, and in 1 to Puerperal Fever.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 61.4°; at Old Trafford, it was 58.7°, and at Eccles 57.1°.

In the neighbourhood of London one-tenth of an inch of rain fell, at Old Trafford about half an inch, and at Eccles upwards of an inch.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC

New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	1	1	..	2	..	..	..	2	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles .....	..	..	..	..	..	6	6	3	..	..	..	..	1	..	1
Scarlatina .....	..	..	..	3	..	..	3	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	1	..	..	1	..	..	..	..	..	..	..	3
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	4	2	6	..	4	6	22	..	..	15	..	2	4	33	41
Dysentery .....	..	..	..	3	..	..	3	..	..	3	..	..	..	2	..
Continued Fever.....	6	*1	1	..	†4	..	12	11	†4	..	..	‡2	‡6	3	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..
Rheumatism .....	..	..	..	..	..	..	..	..	3	14	1	1	..	..	..
Neuralgic Affections.....	..	..	..	..	..	..	..	..	..	6	..	..	..	..	2
Constitutional Syphilis	1	..	..	..	..	..	1	5	..	11	..	1	..	..	1
Phthisis .....	..	1	..	..	..	2	3	2	..	18	..	2	3	1	1
Insanity .....	..	..	1	..	..	..	1	4	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	3	..	2	2	4	12	9	..	25	..	1	4	1	9
Pleurisy and Pneumonia....	..	..	..	..	..	..	..	..	..	1	2	1	..	..	2
Skin Diseases.....	..	..	..	..	..	..	..	18	..	13	..	..	..	5	16
Dyspepsia .....	..	..	..	1	..	..	1	..	1	16	1	..	2	2	11
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	24	2	6	5	7	7	51	75	48	237	6	2	12	45	16
TOTAL	36	9	14	15	17	26	117	127	58	361	11	12	34	92	105

* Typhus, removed to Workhouse.

† Febricula.

‡ Typhus, removed to Hospital.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.
 (2) „ J. BROADBENT,
 (3) „ EDWARD MEACHAM,
 (4) Dr. BRADDON,

- (5) Mr. OCTAVIUS DEAN,
 (6) Dr. LEDWARD,
 (7) Mr. A. PHILIPPS,
 (8) Dr. GEORGE REEF,

- (9) Mr. THOMAS LEEDS,
 (10) „ W. H. SUTCLIFFE,
 (11) „ GEORGE CLEMENTS,
 (12) „

- (13) Mr. H. RUNCO
 (14) Dr. WHITEHEAD
 (15) „ J. OGDEN
 (16) Mr. J. TEALE,

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 15th day of July, 1865.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.	
1,329					477			646		508	2650				Area in Statute Acres.			
70,967					68,209			44,850		21,739	24,448				Population in 1861.			
POOR LAW DISTRICT.		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS													DISEASES.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.					
17	18	19	20	21	22	23	24	25	26	27	28							
..	1	..	..	..	..	1	..	..	..	..	..	7	10	Small-pox		1
..	..	..	..	..	..	..	..	..	..	..	..	3	2	Chicken-pox .....		..
..	..	2	..	..	..	..	..	..	..	1	..	14	22	Measles .....		..
..	..	1	..	..	..	..	..	4	2	..	2	12	7	Scarlatina		2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....		..
..	..	2	..	..	..	..	..	3	..	1	..	10	11	Whooping-cough .....		..
..	..	..	..	..	..	..	..	..	..	..	1	1	1	Croup .....		..
1	1	13	9	5	1	7	6	15	5	5	1	189	74	Diarrhoea		10		
2	..	1	..	..	..	..	1	..	..	..	1	13	1	Dysentery		1
1	15	3	..	**2	††2	1	..	..	1	2	12	58	37	Continued Fever		4
..	1	..	..	1	..	..	..	1	..	1	..	7	7	Erysipelas .....		..
1	1	6	..	1	2	..	..	..	1	4	4	41	44	Rheumatism .....		..
1	..	2	..	..	..	..	..	..	..	..	..	11	6	Neuralgic Affections ..		1
1	1	2	..	..	..	..	..	1	..	..	1	25	34	Constitutional Syphilis		..
2	..	6	..	..	..	..	..	2	..	..	1	48	53	Phthisis		7
..	2	..	..	..	1	..	..	..	1	..	..	10	6	Insanity .....		..
1	..	17	3	2	1	..	1	5	..	6	6	106	114	Bronchitis, Influenza, and Catarrh.....		2		
..	..	..	..	..	..	..	..	1	1	..	..	8	8	Pleurisy & Pneumonia.		..
..	11	13	..	..	1	1	2	..	1	5	3	89	74	Skin Disease.....		..
3	..	11	..	..	2	2	2	..	4	..	1	64	93	Dyspepsia .....		..
..	..	..	..	..	..	..	..	..	..	..	..	....	..	Atrophy and Anæmia..		1
10	4	83	2	3	1	5	5	28	5	33	59	734	652	Accidents and diseases not classified.....		24		
23	27	162	14	14	11	17	17	60	19	58	82	1450	1256	.... TOTAL		53	

5 Typhus and 1 Febricula.

1 Cholera.

1 Typhus.

** Typhoid.

†† 1 Typhoid.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	2	1	..	..	1	..	..	..	..	..	2	2
Measles	3	2	..	..	..	2	..	..	..	..	..	4	4
Whooping-cough.....	1	..	..	..	..	..	..	..	..	2	..	7	2
Scarlatina	14	10	1	6	8	c7	e13	3	8	9	5	84	16
Diarrhoea	1	3	a4	b3	c2	1	f1	..	..	..	1	16	4
Fever	7	7	4	3	..	7	5	1	4	6	2	46	36
Diseases of the Lungs ..	19	6	14	8	13	d10	9	4	9	15	5	112	107
Other causes.....													
TOTAL NO. OF DEATHS.	45	30	24	21	23	29	28	8	24	32	14	278	179
TOTAL NO. OF BIRTHS.	39	39	19	17	16	40	18	17	39	54	22	320	303

a 3 Typhus and 1 Puerperal. b 2 Typhus. c Typhoid. d 4 Inquests. e All under 2 years of age. f Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 29th April	4 Weeks ending 27th May.	5 Weeks ending 1st Jnly.	TOTAL.	DISEASE.	4 Weeks ending 29th April	4 Weeks ending 27th May.	5 Weeks ending 1st Jnly.	TOTAL
15	14	36	65	.....Small-pox.....	68	56	48	172
13	9	14	36	.....Chicken-pox	2	3	3	8
10	20	29	59	.....Measles	23	35	55	113
14	17	33	64	.....Scarlatina.....	27	29	17	73
1	3	3	7	.....Diphtheria.....	1	..	3	4
64	61	59	184	....Whooping-cough	31	30	42	103
5	11	3	19	.....Croup.....	1	..	1	2
366	480	997	1843	.....Diarrhoea	95	115	335	545
5	5	18	28	.....Dysentery.....	10	11	21	42
..	..	..	..	.....Cholera .....	..	..	..	..
26	19	27	72	.....Erysipelas.....	24	23	22	69
..	..	..	..	....Puerperal Fever ....	..	..	..	..
8	13	16	37	.....Insanity	47	26	67	140
1006	740	684	2430	..Bronchitis and Catarrh..	778	639	613	2030
14	12	10	36	.....Pleurisy	62	72	81	215
14	16	14	44	.....Pneumonia .....	..	..	..	..
8	4	3	20	.....Carbuncle.....	..	..	..	..
3654	3689	4780	12123	{ Accidents, and all other Diseases. }	4650	4379	5149	14178
5223	5113	6731	17067	..... TOTAL	5819	5418	6457	17694

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JUNE.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches.		Wet Days.							
Royton	0.975	.....	5						
Old Trafford..	0.957	.....	6						
Eccles.....	0.943	.....	6						
Penketh ..	0.789	.....	6						
Castleton Moor	0.681	.....	4						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.821	29.824	29.839	29.832	29.822	
Highest.....				29.905	29.904	29.961	29.478	30.012	
Lowest				29.604	29.622	29.653	29.156	29.715	
Range				0.301	0.282	0.308	0.322	0.297	
Temperature.									
Adopted Mean				57.4	58.7	57.1	57.1	57.9	
Range for Week				21.9	32.0	29.4	31.6	28.7	
Daily Range.....				12.0	9 4	16.9	18.2	17.1	
Maximum in Shade				71.9	80.0	77.2	78.5	75.3	
Minimum in Shade				50.0	48.0	47.8	46.9	46.6	
Temperature of Dew Point				50.0	51.5	50.6	50.6	50.1	
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.750	0.770	0.777	0.780	0.745	
Prevailing Winds .....				.....	W, S	S, SW	S, SW	WNW, SW	
Rain .....				.....	0.595	1.157	0.900	0.759	
Ozonometer.									
Moffat .....				.....	0.86	0.85	.....	.....	.....
Schonbein .....				.....	0.71	.....	.....	6.00	.....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, JULY 22, 1865.

No. 260

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 22nd instant, there was again an increase in the number of new cases of disease which occurred in the public practice of Manchester and Salford; the total number of cases returned amounted to 1,567, or 117 more than in the preceding week, and nearly 250 more than in the corresponding one of last year.

There were 183 cases of Diarrhœa and Dysentery; 36 of them were seen at the Clinical Hospital, and 29 more at St. Mary's Hospital. Hence it is evident that the great majority of the cases are still confined to the young.

Under Continued Fever we find an improvement; in our previous return 58 seizures were entered, in the present only 39,—15 of these are specially referred to as belonging to the Typhus form of Continued Fever. Of these 15 5 were admitted into the Chorlton Workhouse, and 4 into the fever wards of the Royal Infirmary.

Considering the mildness of the weather there was a remarkable increase in the number of cases of Rheumatism (including Rheumatic Fever); in our previous return 41 cases were recorded, in the present 83.

During the last few weeks, while Diarrhœa has proved so general, the more ordinary disorders of childhood, Small-pox, Scarlet Fever, Measles, and Whooping Cough, have not prevailed to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 271 deaths were registered in the eleven districts of the Association; 61 of them are ascribed to Diarrhœa. It is satisfactory to find that this disorder which appeared in the early part of the month to be advancing with such rapid and fatal strides is now gradually decreasing in intensity; last week 61 deaths were registered, in the two previous returns 100 and 84. This decrease has not been accompanied by any corresponding increase in the fatality of diseases of the respiratory organs, which themselves exhibit a decided improvement.

In London, according to the last return of the Registrar General, the deaths exceeded the average by 159; 280 of them were due to Diarrhœa. In 7 of these cases, which occurred at the age of 20 and upwards, this fatal disorder is termed Cholera.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 63.6°; at Old Trafford, it was 62.9°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS

New Cases of Disease coming under Treatment

MANCHESTER.																
Area in Statute Acres		Manchester Township 1,645														
Population in 1861		" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN		
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	
Small-pox	1	..	1	1	..	..	..	..	..	..	..	..
Chicken-pox
Measles	4	4	..	..	..	..	1	..	..	2	..
Scarlatina	5	..	..	..
Diphtheria
Whooping-cough	1	..	..	1	3	6	..
Croup
Diarrhœa.....	1	4	7	..	2	8	22	2	1	7	..	1	..	29	36	..
Dysentery	1	..	2	..	..	3	..	..	2	..	..	..	..	..	..
Continued Fever.....	..	*1	..	..	†3	..	4	5	‡6	1	1	..	§3	4	..	..
Erysipelas	1	..	..	..	..	..	..
Rheumatism	2	..	..	1	..	3	21	6	21	1	4	1	1	1	..
Neuralgic Affections.....	1	..	..	..	1	..	..	9	..	..	1	..	1	..
Constitutional Syphilis	10	..	10	1	..	..	..	..	..
Phthisis	1	1	..	..	1	1	4	7	1	17	..	3	5	1	3	..
Insanity	1	1	5	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	..	1	4	6	6	..	27	1	2	..	1	16	..
Pleurisy and Pneumonia.....	1	..	1	2	1	..	..	2	..	..	..	..
Skin Diseases.....	..	1	3	..	..	..	4	18	..	8	..	..	1	5	20	..
Dyspepsia	2	..	..	1	..	3	..	..	28	..	..	..	8	8	..
Atrophy and Anæmia.
Accidents and diseases not classified.....	15	4	14	6	5	15	59	59	39	285	5	6	5	57	20	..
TOTAL	17	16	26	8	16	33	116	136	54	417	9	19	22	109	113	..

* Typhus, removed to Workhouse.

† 2 removed to Workhouse.

‡ 4 Typhus, 1 Typhoid, and 1 Febricula.

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON,

(5) Mr. OCTAVIUS DEAN,
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(12) }

(13) Mr. H. RUNO,
(14) Dr. WHITEH,
(15) „ J. OGDEN,
(16) Mr. J. TEAL,

Medical Officers to whom the Association

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 22nd day of July, 1865.

SALFORD.					HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						
..... 1,329 477 646 ...		508. 2650					Area in Statute Acres.	
..... 70,967. 68,209. 44,850 ..		21739 24,448					Population in 1861.	
DOORLAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Green-gate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work-house.	Total.	Corresponding Week last Year.	DISEASES.		
6	17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	1	..	..	..	1	1	5	5	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	8	19	Measles .....	..
..	..	..	2	..	1	..	..	..	1	2	..	..	11	16	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	11	2	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
3	2	..	17	7	3	5	2	1	20	4	4	1	171	103	Diarrhoea	8	
1	1	..	3	..	..	..	..	1	..	..	..	1	12	10	Dysentery	1
2	1	¶1	¶2	..	**2	..	..	..	..	1	1	¶5	39	26	Continued Fever	6
..	..	..	1	..	1	..	..	..	..	..	..	..	3	5	Erysipelas .....	..
4	1	1	9	..	..	1	1	..	..	1	3	3	83	54	Rheumatism	1
..	..	..	3	..	..	..	1	..	..	..	..	..	17	17	Neuralgic Affections ..	..
..	..	1	2	..	..	..	..	..	1	..	..	2	30	26	Constitutional Syphilis	1
2	..	..	9	..	..	..	1	1	2	..	1	4	62	55	Phthisis	6
..	..	2	..	..	..	..	..	..	..	..	..	..	8	13	Insanity .....	..
1	3	..	9	2	..	2	1	3	6	..	5	5	98	104	Bronchitis, Influenza, and Catarrh	4	
..	..	..	3	..	..	..	..	..	..	..	1	1	11	10	Pleurisy & Pneumonia.	2
..	1	2	9	..	..	..	..	1	..	..	2	6	77	61	Skin Disease.....	..
1	1	2	8	1	..	2	..	4	1	2	4	3	78	95	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	Atrophy and Anæmia..	..
9	14	5	98	2	6	1	..	3	22	6	40	98	843	714	Accidents and diseases not classified.....	34	
23	24	14	175	12	13	11	7	14	53	16	62	131	1567	1336	.... TOTAL	64

‡ 2 Typhus and 1 Febricula.

|| 1 Removed to Workhouse.

¶ Typhus.

** 1 Typhoid.

‡ 2 Typhus and 1 Febricula.

|| 1 Removed to Workhouse.

¶ Typhus.

** 1 Typhoid.

s indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
 (18) Mr. M. O. LARMUTH,
 (19) „ J. O. BRADBURY,
 (20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
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(25) Mr. JOHN RAYNER,
 (26) „ J. V. L. WESTMACOTT,
 (27) „ JAMES SHACKLETON,
 (28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	2
Measles .....	..	4	..	..	..	3	..	1	..	..	1	9	9
Whooping-cough.....	2	3	..	..	1	..	1	..	1	1	..	9	5
Scarlatina	7	..	1	..	..	1	..	..	3	..	2	14	12
Diarrhoea	13	4	1	4	6	8	7	3	4	7	3	60	38
Fever .....	..	..	5	..	1	1	2	3	..	2	1	15	7
Diseases of the Lungs ..	6	4	1	3	..	2	..	..	2	9	3	30	36
Other causes.....	a20	b14	28	7	8	9	9	g11	7	12	9	134	124
TOTAL NO. OF DEATHS.	48	29	36	14	16	24	19	18	17	31	19	271	233
TOTAL NO. OF BIRTHS.	48	45	16	15	20	53	16	26	28	65	19	351	282

a 2 Inquests. b 5 Inquests. c 4 Typhus. d Typhoid. e All under 7 months old. f Typhus. g 1 Inquest
h 1 Gastric and 1 Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 29th April	4 Weeks ending 27th May.	5 Weeks ending 1st July.	TOTAL.	DISEASE.	4 Weeks ending 29th April	4 Weeks ending 27th May.	5 Weeks ending 1st July.	TOTAL
15	14	36	65	.....Small-pox.....	68	56	48	172
13	9	14	36	.....Chicken-pox.....	2	3	3	8
10	20	29	59	.....Measles.....	23	35	55	113
14	17	33	64	.....Scarlatina.....	27	29	17	73
1	3	3	7	.....Diphtheria.....	1	..	3	4
64	61	59	184	....Whooping-cough....	31	30	42	103
5	11	3	19	.....Croup.....	1	..	1	2
366	480	997	1843	.....Diarrhoea.....	95	115	335	545
5	5	18	28	.....Dysentery.....	10	11	21	42
..	..	..	..	.....Cholera.....	..	..	..	..
26	19	27	72	.....Erysipelas.....	24	23	22	69
..	..	..	..	....Puerperal Fever....	..	..	..	..
8	13	16	37	.....Insanity.....	47	26	67	140
1006	740	684	2430	.Bronchitis and Catarrh..	778	639	613	2030
14	12	10	36	.....Pleurisy.....	62	72	81	215
14	16	14	44	.....Pneumonia.....	..	..	..	..
8	4	3	20	.....Carbuncle.....	..	..	..	..
3654	3689	4780	12123	{ Accidents, and all other Diseases. }	4650	4379	5149	14178
5223	5113	6731	17067	..... TOTAL	5819	5418	6457	17694

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JUNE.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Royton	0.975	5							
Old Trafford..	0.957	6							
Eccles.....	0.943	6							
Penketh	0.789	6							
Castleton Moor	0.681	4							
Height of barometer cistern above sea level.....				130 ft.	123 ft	118 ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.834	29.826	29.826	29.815	29.820	29.860
Highest.....				29.962	29.979	29.995	29.524	30.058	29.623
Lowest				29.638	29.666	29.689	29.202	29.736	29.332
Range				0.324	0.313	0.306	0.322	0.322	0.296
Temperature.									
Adopted Mean				61.5	62.9	61.2	61.6	62.1	59.8
Range for Week				23.1	30.0	27.1	26.7	31.9	26.0
Daily Range				14.6	20.7	18.3	19.1	21.7	18.7
Maximum in Shade				76.8	80.0	77.8	76.0	79.0	74.0
Minimum in Shade				53.7	50.6	50.7	49.3	47.1	48.0
Temperature of Dew Point				52.0	54.2	52.1	52.4	51.1	50.0
Hygrometrical condition of the Atmosphere				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.715	0.735	0.725	0.725	0.690	0.700
Prevailing Winds					S	SW, SE	SW	S, W	SW
Rain					0.220	0.498	0.210	0.459	0.380
Ozonometer.									
Moffat					0.00	0.57	..	..	..
Schonbein.....					0.00	..	4.60	3.90	..

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, JULY 29, 1865.

No. 261

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 29th ultimo, 1,483 new cases of disease and injuries occasioned by accidents were seen in the public practice of Manchester and Salford; in the preceding week the disease returns were still heavier, though in the corresponding period of last year they were considerably lighter.

Diarrhoea and Dysentery, which appeared to be on the decline, are once more gaining ground; there is an increase under this column of 30 cases, the respective numbers for the two last weeks being 183 and 213; 37 of them were seen at the Clinical Hospital, 25 among the out-patients of the Royal Infirmary, and 25 more at St. Mary's Hospital. Of the 213 seizures 10 proved fatal, being at the rate of 1 death to every 21 cases.

Under Continued Fever 72 cases were recorded, a considerable increase on the two previous returns, when the respective numbers were 58 and 39; 16 of them are attributed to Typhus and 9 to Typhoid Fever. The latter of these two forms of fever is believed by many persons to originate in the exhalations given off from decomposing organic matter, hence it is likely to be most effectually checked by scrupulous attention to all the requirements of cleanliness.

The cases of Whooping Cough rose from 11 to 19, 10 of them being observed among the children of the Clinical Hospital.

There were only 5 cases of Scarlet Fever, of which 4 are entered among the patients of the Salford Dispensary.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 295 deaths and 284 births were registered in the eleven districts of the Association. It thus appears that a greater number of persons died than were born in the course of the week.

Diarrhoea continues the chief cause of the heavy mortality; under this column we find a very decided increase. In the preceding week 61 deaths were assigned to this disease, last week 99; in the corresponding week of last year there were only 51. When we consider how very generally the outbreak of Cholera is preceded by Diarrhoea in an aggravated form, its prevalence at the present time is somewhat alarming.

During the last three weeks there has been a decided falling off in the mortality arising from diseases of the respiratory organs, the respective number of deaths registered being 46, 30, and 25.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 66.0°, at Old Trafford it was 61.6°, and at Eccles 61.4°. It thus appears that the weather in the neighbourhood of London was far warmer than here.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	3
Scarlatina .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	2	..	..	2	..	..	..	..	..	..	1	10
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	2	5	5	1	6	6	25	8	1	25	..	3	4	25	37
Dysentery .....	..	..	..	4	..	2	6	..	..	..	..	..	..	1	..
Continued Fever.....	*3	..	†3	‡2	§2	||5	15	14	¶3	..	4	**4	††2	4	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism	2	..	1	..	..	1	4	21	..	22	1	1	..	..	..
Neuralgic Affections.....	..	..	..	..	..	..	..	..	5	7	..	..	..	..	2
Constitutional Syphilis .....	..	..	..	..	..	..	..	8	..	22	1	..	..	..	1
Phthisis .....	..	..	..	1	1	..	2	2	..	12	..	1	2	..	..
Insanity .....	..	..	1	..	..	1	2	7	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	3	..	..	1	2	8	12	..	26	..	..	..	2	12
Pleurisy and Pneumonia....	..	..	..	..	..	..	..	1	1	2	..	1	..	..	.
Skin Diseases.....	..	..	..	..	..	..	..	7	..	18	..	..	1	4	23
Dyspepsia .....	..	1	..	..	..	..	1	..	1	30	..	..	..	3	5
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	10	7	6	6	2	15	46	41	42	252	2	9	12	56	21
TOTAL	19	16	16	16	12	33	112	124	54	416	8	19	22	96	114

* 2 Typhoid, removed to Workhouse. + 1 Typhoid. † 1 Typhus removed to Workhouse. ‡ 1 Removed to Workhouse.
|| 2 Typhus, removed to Workhouse. ¶¶ 1 Cholera.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REEF,
- (9) } Mr. THOMAS LEEDS,

(10) } „ W. H. SUTCLIFFE,

(11) } „ GEORGE CLEMENTS,

(12) }
- (13) Mr. H. RUNCO

(14) Dr. WHITEHEAD,

(15) „ J. OGDEN,

(16) Mr. J. TEALE,

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 29th day of July, 1865.

SALFORD.					HULME.			CHORLTON.		ARD-WICK.	PENDLETON AND PENDLEBURY.						DEATHS.
..... 1,329 .....					..... 477 .....			... 646 ...		508.	..... 2650				Area in Statute Acres.	
..... 70,967. ....					... 68,209. ...			.. 44,850 ..		21739	..... 24,448				Population in 1861.	
OR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.	
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.			
17	18	19	20	21	22	23	24	25	26	27	28						
..	..	..	..	..	..	..	..	..	..	..	..	1	5	6	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	Chicken-pox .....	..
..	3	3	..	..	..	..	..	..	..	..	..	1	11	20	Measles .....	..
..	..	4	..	..	..	..	..	..	..	..	..	..	5	13	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	3	..	..	..	..	1	..	2	..	..	..	19	3	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
2	..	7	7	7	2	6	2	20	6	4	3	202	144		Diarrhoea	8	
..	..	2	..	..	..	..	2	..	..	..	..	11	10		Dysentery	2
4	**2	4	..	A5	B3	1	2	..	..	..	c3	72	32		Continued Fever	3
..	..	..	..	..	..	..	..	..	..	..	..	1	2	4	Erysipelas .....	..
1	1	8	..	1	1	1	2	1	2	2	1	72	50		Rheumatism .....	..
..	2	2	..	..	..	..	..	1	1	..	..	20	11		Neuralgic Affections ..	..
..	1	3	..	..	..	..	..	..	1	1	6	46	24		Constitutional Syphilis	..
..	2	11	..	..	..	..	..	2	1	1	..	37	49		Phthisis	7
..	1	..	..	..	..	..	..	1	1	..	..	12	10		Insanity .....	..
1	2	7	2	1	3	1	2	3	2	4	3	97	96		Bronchitis, Influenza, and Catarrh	4	
..	..	2	..	..	..	..	..	..	..	..	1	8	6		Pleurisy & Pneumonia.	1
..	2	8	..	..	..	..	..	2	1	..	8	77	69		Skin Disease	1
2	..	17	..	..	1	1	1	..	3	3	2	75	69		Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	....	..		Atrophy and Anæmia..	1
993	7	86	1	4	4	4	4	27	3	35	41	711	680		Accidents and diseases not classified	28	
13	23	167	10	18	14	15	15	59	21	50	71	1483	1299	....	TOTAL	55

Typhus and 4 Febricula. ¶ 2 Typhus and 1 Typhoid. ** Typhus. ++ 1 Typhus and 1 Febricula. ‡ Not Vaccinated.
A 4 Typhus removed to Workhouse. B 2 Typhoid. c Typhoid.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J.V.L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiplle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	1	..	..	..	..	..	1	1
Measles	1	4	2	..	..	2	..	..	1	1	1	12	2
Whooping-cough.....	..	1	..	1	..	..	..	..	..	..	..	2	2
Scarlatina	2	..	1	..	..	..	..	3	2	2	..	10	9
Diarrhœa	13	9	4	14	7	10	6	2	b10	18	6	99	50
Fever	1	..	a3	..	1	..	a1	..	c1	..	1	8	3
Diseases of the Lungs ..	6	2	2	4	..	1	1	..	4	2	3	25	34
Other causes.....	15	9	25	8	7	12	9	11	d12	23	7	138	111
TOTAL NO. OF DEATHS.	38	25	37	27	15	26	17	16	30	46	18	295	212
TOTAL NO. OF BIRTHS.	43	30	14	14	17	18	30	22	34	42	20	284	269

a Typhus. b All under 2 years of age. c Typhus, aged 3 years. d 1 Cholera, aged 6 years.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 29th April	4 Weeks ending 27th May.	5 Weeks ending 1st July.	TOTAL.	DISEASE.	4 Weeks ending 29th April	4 Weeks ending 27th May.	5 Weeks ending 1st July.	TOTAL
15	14	36	65	.....Small-pox.....	68	56	48	172
13	9	14	36	..... Chicken-pox	2	3	3	8
10	20	29	59	..... Measles	23	35	55	113
14	17	33	64	.....Scarlatina.....	27	29	17	73
1	3	3	7	..... Diphtheria.....	1	..	3	4
64	61	59	184	.... Whooping-cough	31	30	42	103
5	11	3	19	.....Croup.....	1	..	1	2
366	480	997	1843	.....Diarrhœa.....	95	115	335	545
5	5	18	28	.....Dysentery.....	10	11	21	42
..	..	..	..	..... Cholera .....	..	..	..	..
26	19	27	72	.....Erysipelas.....	24	23	22	69
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
8	13	16	37	..... Insanity	47	26	67	140
1006	740	684	2430	..Bronchitis and Catarrh..	778	639	613	2030
14	12	10	36	..... Pleurisy	62	72	81	215
14	16	14	44	..... Pneumonia .....	..	..	..	..
8	4	3	20	..... Carbuncle.....	..	..	..	..
3654	3689	4780	12123	{ Accidents, and all other Diseases. }	4650	4379	5149	14178
5223	5113	6731	17067	..... TOTAL	5819	5418	6457	17694

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JUNE.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.		Wet Days.							
Royton	0.975	.....	5						
Old Trafford..	0.957	.....	6						
Eccles.....	0.943	.....	6						
Penketh	0.789	.....	6						
Castleton Moor	0.681	.....	4						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				30.144	30.171	30.170	30.144	30.174	30.178
Highest.....				30.320	30.336	30.363	29.871	30.422	29.950
Lowest				29.804	29.805	29.853	29.366	29.914	29.486
Range				0.516	0.531	0.510	0.505	0.508	0.464
Temperature.				63.3	61.6	61.4	61.4	62.9	61.0
Adopted Mean									
Range for Week									
Daily Range.....									
Maximum in Shade									
Minimum in Shade				78.0	83.0	18.5	80.8	79.6	78.0
Temperature of Dew Point				54.7	49.5	50.1	45.8	48.7	50.0
Hygrometrical condition of the Atmosphere.				58.2	56.3	54.3	54.5	55.1	53.5
Degree of Humidity (Saturation—1,000).....				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
				0.830	0.832	0.760	0.785	0.760	0.770
Prevailing Winds .....				.....	SW	NW	NW	NW, W	SW
Rain .....				.....	0.070	0.003	0.000	0.008	0.122
Ozonometer.									
Moffat .....				.....	0.00	0.43	....	.....	....
Schonbein.....				.....	0.00	....	0.00	3.14	....

July 29, 1865

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, AUGUST 5, 1865.

No. 262.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 5th instant, 1,406 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; death occurred to 48 patients, being at the rate of 1 death to every 28 cases.

Diarrhœa and Dysentery still continue to gain ground, in the two preceding weeks the respective numbers were 183 and 213, last week 231. Young children are the greatest sufferers, no fewer than 40 cases being entered in the return of St. Mary's Hospital and 38 in that of the Clinical. Two of the Diarrhœa cases which proved fatal are specially referred to as examples of "English Cholera;" the one came under the observation of Mr. Mann, in the St. Peter's District (the subject of the attack in this instance is spoken of as a feeble old man, aged sixty-eight); the other was a patient of Mr. O. Dean, in the St. Jude's District.

The seizures from attacks of Continued Fever were somewhat less numerous than in the previous week; 19 of the 60 cases recorded are ascribed to Typhus and 3 to Typhoid Fever.

Five cases of Scarlet Fever were met with in District III. of the Royal Infirmary, and 3 more at the Salford Dispensary.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 270 deaths were registered in the eleven districts of the Association; in the preceding week they were still more numerous, amounting to 295.

The most unfavourable feature in the present return is the increasing fatality of Diarrhœa, no fewer than 104 deaths were registered under this column; in the two preceding weeks the respective numbers were 61 and 99. In the Regent Road District, where 13 fatal cases were recorded, all the sufferers were under two years of age. This excessive infantile death-rate from Diarrhœa plainly indicates how little attention is paid by the poorer classes to the rearing of their children, especially in respect to diet.

In London, according to the last return of the Registrar General, the deaths from Diarrhœa show a decided decrease; in the first week in July they amounted to 301, last week to only 207. Had they proved as numerous in the metropolis as in these districts they would have carried off upwards of 700 persons.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 55.9°, at the Royal Infirmary it was 52.1°, and at Old Trafford 54.2°. The generally moderate readings of the thermometer during the week make it more difficult to explain the extreme virulence of Diarrhœa.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment in 1861.

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		" " 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	1	..	..	†1	2	..	1	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1
Scarlatina	1	..	..	..	..	..	1	..	..	..	..	..	5	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	3	3	..	..	..	..	..	1	1	7
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	1	3	4	1	1	5	15	2	..	21	..	3	1	40	38
Dysentery .....	..	..	1	..	..	1	2	..	..	1	..	..	..	1	..
Continued Fever.....	5	1	1	..	*2	‡1	10	9	§4	..	||1	¶2	**3	2	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism .....	..	1	..	..	..	..	1	21	1	12	..	..	..	..	..
Neuralgic Affections .....	..	..	..	..	..	..	..	..	1	6	..	..	..	..	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	5	..	21	..	..	1	..	..
Phthisis .....	..	1	..	1	..	..	2	2	..	18	1	3	1	1	2
Insanity .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	1	1	2	..	6	11	8	1	32	..	1	..	3	10
Pleurisy and Pneumonia....	..	..	..	..	..	1	1	1	4	1	..	..	1	..	2
Skin Diseases.....	..	..	..	..	..	2	2	10	..	12	..	..	..	4	20
Dyspepsia .....	..	..	..	..	..	..	..	..	..	40	..	..	..	7	7
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	17	8	5	6	2	11	49	63	33	223	6	4	6	28	6
TOTAL	25	15	13	10	5	32	100	123	45	387	8	13	19	87	93

* Removed to Workhouse. † Confluent. ‡ Febricula. § 2 Typhus and 2 Typhoid. || Typhus.
 ^ 4 Typhus and 1 Typhoid.

Medical Officers to whom the Associates are attached.

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REED,
- (9) „

(10) } Mr. THOMAS LEEDS,

(11) } „ W. H. SUTCLIFFE,

(12) } „ GEORGE CLEMENTS,
- (13) Mr. H. RUNCIE,

(14) Dr. WHITEHEAD,

(15) „ J. OGDEN,

(16) Mr. J. TEALE

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 5th day of August, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK.	PENDLETON AND PENDLEBURY.							
... 1,329 477. 646. ...		508. 2650.....						Area in Statute Acres.	
... 70,967. 68,209. 44,850 ..		2173924,448.....						Population in 1861.	
ORLAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS													
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		DEATHS.	
17	18	19	20	21	22	23	24	25	26	27	28						
..	..	..	..	..	..	..	..	..	..	..	1	4	10	Small-pox .....		..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....		..
1	3	..	..	..	..	..	..	..	2	..	..	8	14	Measles .....		..
..	..	3	..	2	..	..	..	..	..	1	..	12	16	Scarlatina .....		..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....		..
..	..	..	..	..	1	..	..	1	..	..	..	14	2	Whooping-cough ....		..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....		..
7	2	19	5	4	6	3	4	26	6	3	7	223	142	Diarrhoea		9	
..	..	2	..	..	..	..	..	2	..	..	..	8	9	Dysentery .....		..
3	4	5	..	6	1	..	1	..	1	1	5	60	25	Continued Fever		4	
..	..	..	..	..	..	..	..	2	1	..	..	4	6	Erysipelas .....		..
1	..	6	1	2	2	1	1	..	1	3	2	58	67	Rheumatism .....		..
..	1	..	..	..	..	1	..	..	..	..	..	9	19	Neuralgic Affections ..		..
..	..	3	..	..	..	..	1	..	2	1	5	42	16	Constitutional Syphilis		..
..	..	11	..	1	..	..	1	..	1	2	3	50	53	Phthisis		7
..	1	..	..	..	..	..	..	..	1	..	..	5	9	Insanity .....		..
4	2	7	1	1	2	..	1	2	2	6	8	104	119	Bronchitis, Influenza, and Catarrh.....		2	
..	..	3	..	..	..	2	..	1	..	..	1	17	8	Pleurisy & Pneumonia.		1
2	2	9	..	..	..	..	..	..	1	1	4	68	66	Skin Disease.....		..
2	..	13	1	..	3	..	..	..	1	4	2	85	62	Dyspepsia .....		..
..	..	..	..	..	..	..	..	..	..	..	..	....	..	Atrophy and Anæmia..		1
7	9	75	..	4	2	1	7	23	2	38	32	635	692	Accidents and diseases not classified.....		24	
27	24	156	8	20	17	8	16	57	21	60	70	1406	1335	.... TOTAL		48

Typhus and 1 Febricula. ** 2 Typhus and 1 Febricula. ++ 1 Typhus. ## 3 Typhus. §§ 4 Typhus removed to Workhouse.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) J. O. BRADBURY,
(20) W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) J. V. L. WESTMACOTT,
(27) JAMES SHACKLETON,
(28) J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowet.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	2	2	..	1	1	1	..	..	..	..	..	3
Measles	1	..	..	1	..	..	..	..	1	2	..	5	1
Whooping-cough.....	2	..	..	2	..	..	..	..	1	..	..	5	4
Scarlatina.....	17	14	3	10	28	11	13	..	11	11	6	104	65
Diarrhœa .....	..	..	..	..	1	3	3	..	..	..	..	7	5
Fever	6	8	6	3	1	3	2	..	4	5	..	38	46
Diseases of the Lungs ..	10	11	18	9	24	9	9	5	4	20	5	104	93
Other causes.....													
TOTAL NO. OF DEATHS.	36	35	29	25	15	27	23	5	21	38	11	270	224
TOTAL NO. OF BIRTHS.	34	40	12	12	20	15	28	14	38	78	14	305	291

a 7 under 2 years of age. b Gastric. c 1 Cholera, aged 69 years. d All under 2 years of age.
e 2 Typhus and 1 Typhoid. f 1 Inquest. g All Infantile.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 29th April	4 Weeks ending 27th May.	5 Weeks ending 1st July.	TOTAL.	DISEASE.	4 Weeks ending 29th April	4 Weeks ending 27th May.	5 Weeks ending 1st July.	TOTAL
15	14	36	65	.....Small-pox.....	68	56	48	172
13	9	14	36	..... Chicken-pox	2	3	3	8
10	20	29	59	..... Measles	23	35	55	113
14	17	33	64	.....Scarlatina.....	27	29	17	73
1	3	3	7	..... Diphtheria	1	..	3	4
64	61	59	184	.... Whooping-cough	31	30	42	103
5	11	3	19	.....Croup.....	1	..	1	2
366	480	997	1843	.....Diarrhœa.....	95	115	335	545
5	5	18	28	.....Dysentery.....	10	11	21	42
..	..	..	..	..... Cholera .....	..	..	..	..
26	19	27	72	.....Erysipelas.....	24	23	22	69
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
8	13	16	37	..... Insanity	47	26	67	140
1006	740	684	2430	..Bronchitis and Catarrh..	778	639	613	2030
14	12	10	36	..... Pleurisy	62	72	81	215
14	16	14	44	..... Pneumonia .....	..	..	..	..
8	4	8	20	.....Carbuncle.....	..	..	..	..
3654	3689	4780	12123	{ Accidents, and all other Diseases. }	4650	4379	5149	14178
5223	5113	6731	17067	..... TOTAL	5319	5418	6457	17694

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JULY.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.						
Royton	3.460	17						
Old Trafford..	2.996	15						
Castleton Moor	2.979	17						
Penketh	2.280	16						
Eccles.....	2.085	18						
Height of barometer cistern above sea level.....			130 ft.	123 ft	118ft.	522 ft.	39 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....			29.837	29.868	29.864	29.865	29.867	29.886
Highest.....			30.032	30.021	30.053	29.550	30.114	29.672
Lowest			29.536	29.555	29.593	29.090	29.562	29.232
Range			0.496	0.466	0.460	0.460	0.452	0.440
Temperature.								
Adopted Mean			52.6	54.2	52.8	51.9	53.9	52.1
Range for Week			19.0	31.8	30.2	31.8	35.4	29.9
Daily Range.....			11.2	17.8	16.0	17.9	16.8	13.0
Maximum in Shade			64.0	73.5	70.0	70.0	73.0	67.0
Minimum in Shade			45.0	41.7	39.8	38.2	37.6	37.1
Temperature of Dew Point			46.2	47.1	44.6	44.7	45.6	44.8
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....			0.790	0.754	0.742	0.764	0.730	0.760
Prevailing Winds				W,SW	NW	NW	N,NW	N,NW
Rain				1.262	1.404	1.673	1.788	1.416
Ozonometer.								
Moffat				0.00	1.28	..	..	..
Schoubein.....				0.00	..	3.46	2.70	..

August. 5, 1865

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.]

WEEK ENDING SATURDAY, AUGUST 12, 1865.

No. 263.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 12th instant, 1,363 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford.

The most satisfactory feature in connection with the present return is the decided decrease in the number of seizures from Diarrhœa. In the preceding return no fewer than 231 cases were entered, last week only 155. The disease still continues especially prevalent among the young,—at the Clinical Hospital 29 cases were entered, and, at St. Mary's, 23.

But, though Diarrhœa appears to be abating, Fever under its varied forms is decidedly on the increase, the total number of cases amounting to 87, of which 24 are specially pointed out as examples of Typhus. No fewer than 8 of the sufferers from this disease were admitted into the fever wards of the Royal Infirmary. In referring to some of these cases Dr. Reed remarks: "Three cases of Typhus were admitted from a house in Back Boslam-st., Bradford-street, where a family of 10 were living in one room—father, mother, 6 daughters, and 2 sons; one son had been ill in the same room with Typhus for four weeks before the others fell ill. The father has since taken the fever, and is about to be removed to the Workhouse. The mother died in the Infirmary, a victim to the neglect of the most ordinary sanitary precautions." Two more were seen in District II. of the Royal Infirmary, and 2 more in St. George's District, Hulme. In speaking of the house in which these cases arose Mr. John Smith says: "It is worthy of note that nearly every case of fever in my district has occurred in houses having but one room, what I believe are called 'back to back' houses, in which there is not only the evil of want of ventilation, but there are privies common to a number of houses, and these are generally in a filthy condition; the excretions of the sick are emptied here, and the danger to the neighbours is obvious."

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 302 deaths were registered in the eleven districts of the Association; in the preceding week, though considerably above the average for the season, they did not exceed 270.

The deaths from Diseases of the Lungs, which fell during the hot weather at the end of July to 25, have risen in the two last weeks to 38 and 47.

Under Fever, likewise, we find an increase, 14 instead of 7 persons succumbing to the disease.

In London, according to the last return of the Registrar General, the deaths exceeded the average by 50.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 62.0°, at Old Trafford, the warmest of the Manchester stations, it was 60.0°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment in 1861.

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		" " 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	1	1	1	2
Scarlatina .....	..	..	1	..	..	..	1	..	..	1	1	2	1	..	1
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	2	2	1	..	..	..	..	..	3	7
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	2	1	4	..	2	3	12	10	..	6	..	2	..	23	29
Dysentery .....	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..
Continued Fever.....	8	*1	+2	..	‡2	1	14	21	§8	..	||3	‡3	¶4	12	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism	1	..	..	..	..	1	2	12	..	4	..	1	..	..	..
Neuralgic Affections .....	..	..	..	..	..	..	..	3	5	9	..	..	1	..	1
Constitutional Syphilis .....	..	..	..	..	..	..	..	15	..	8	..	..	..	..	3
Phthisis .....	..	1	1	1	1	..	4	6	..	23	1	3	1	..	1
Insanity .....	..	..	..	1	..	..	1	1	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	..	..	1	2	7	11	16	..	24	..	1	1	2	14
Pleurisy and Pneumonia.....	..	..	..	..	..	..	..	4	2	..	1	2	1	..	..
Skin Diseases.....	2	1	..	..	..	2	5	9	..	5	..	..	..	6	21
Dyspepsia .....	..	..	..	..	..	..	..	1	1	21	..	..	..	2	12
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	18	4	7	9	1	12	51	39	45	209	8	3	8	40	14
TOTAL	32	8	15	12	8	28	103	139	63	311	14	18	18	90	105

* Typhus, removed to Workhouse. + 1 Typhus. ‡ Febricula. § Typhus. ¶ 2 Typhus, 1 Gastric, and 1 Febricula.
‡‡ 2 Typhus, removed to Workhouse. §§ Typhoid.

Medical Officers to whom the Association are indebted for their services.

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON,
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REEF,
- (9) „

(10) Mr. THOMAS LEEDS,

(11) „ W. H. SUTCLIFFE,

(12) „ GEORGE CLEMENTS,
- (13) Mr. H. RUNCO,

(14) Dr. WHITEHEAD,

(15) „ J. OGDEN,

(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 12th day of August, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477.			646. ...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448			Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	3	9	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
..	4	..	..	..	..	..	..	..	..	..	..	9	12	Measles .....	..
..	..	..	..	1	..	1	..	..	..	..	1	10	19	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria .....	..
..	..	..	..	..	..	1	..	..	..	..	1	15	4	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
3	..	8	4	6	1	4	4	24	2	5	3	152	147	Diarrhoea	6
..	..	..	..	..	..	..	..	1	..	..	..	3	13	Dysentery .....	..
5	**5	5	..	++3	..	2	1	..	..	§§1	..	87	47	Continued Fever	4
..	..	..	..	..	..	..	..	..	..	..	..	1	6	Erysipelas	1
1	..	6	1	..	2	..	1	1	1	2	3	41	57	Rheumatism .....	..
..	..	2	..	..	..	1	..	..	..	..	..	23	11	Neuralgic Affections ..	..
..	2	7	..	..	..	..	1	1	1	..	3	44	26	Constitutional Syphilis	1
..	1	13	..	..	..	2	..	..	..	2	1	58	52	Phthisis	10
..	2	..	..	..	..	..	..	1	1	..	..	6	13	Insanity .....	..
1	..	8	4	4	2	..	4	3	1	5	8	113	121	Bronchitis, Influenza, and Catarrh.....	3
..	..	2	..	..	..	..	..	..	..	1	..	13	15	Pleurisy & Pneumonia.	1
..	10	8	..	1	..	2	..	1	..	..	14	85	67	Skin Disease.....	..
1	1	11	..	..	8	1	5	1	1	3	1	70	80	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	....	..	Atrophy and Anæmia..	1
8	6	73	2	2	8	3	3	23	2	38	35	630	714	Accidents and diseases not classified.....	17
19	31	143	11	17	21	17	19	56	9	57	70	1363	1416	.... TOTAL	44

typhus, removed to Workhouse, and 1 Typhoid removed to Infirmary Fever Ward.

** 4 Typhus and 1 Febricula.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J.V.L.WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON.

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiplle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	1	..	..	..	..	..	..	..	..	1	1
Measles	1	2	..	..	..	..	..	..	..	..	1	4	5
Whooping-cough.....	3	2	..	..	..	..	3	..	..	1	1	10	2
Scarlatina	2	2	..	1	..	..	..	1	1	..	2	9	16
Diarrhœa	20	6	4	3	6	5	5	1	10	6	7	73	72
Fever	1	..	4	1	2	1	2	..	1	2	..	14	8
Diseases of the Lungs ..	8	4	4	7	..	3	4	1	7	6	3	47	39
Other causes.....	11	16	16	10	8	16	10	8	15	28	6	144	113
TOTAL NO. OF DEATHS.	46	32	29	22	16	25	24	11	34	43	20	302	256
TOTAL NO. OF BIRTHS.	37	47	22	19	25	14	34	15	39	66	16	334	293

a Typhus. *b* 1 Typhus and 1 Typhoid
1 aged 74 years. *f* Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

*In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.*

*At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.*
Population in 1861, 390,815.

4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL.	DISEASE.	4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL
14	36	15	65	..... Small-pox.....	56	48	25	129
9	14	14	37	..... Chicken-pox	3	3	4	10
20	29	49	98	..... Measles	35	55	40	130
17	33	35	85	..... Scarlatina.....	29	17	39	85
3	3	5	11	..... Diphtheria.....	..	3	..	3
61	59	27	147	.... Whooping-cough	30	42	51	123
11	3	2	16	..... Croup.....	..	1	1	2
480	997	1215	2692	..... Diarrhoea.....	115	335	706	1156
5	18	14	37	..... Dysentery.....	11	21	43	75
..	..	..	..	..... Cholera .....	..	..	..	..
19	27	23	69	..... Erysipelas.....	23	22	14	59
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
13	16	18	47	..... Insanity	26	67	46	139
740	684	381	1805	..Bronchitis and Catarrh..	639	613	426	1678
12	10	8	30	..... Pleurisy	72	81	37	190
16	14	13	43	..... Pneumonia				
4	8	6	18	..... Carbuncle.....	..	..	..	..
3689	4780	3916	12385	{ Accidents, and all other Diseases. }	4379	5149	4490	14018
5113	6731	5741	17585	..... TOTAL	5418	6457	5922	17797

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JULY.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Royton	3·460	.....	17						
Old Trafford..	2·996	.....	15						
Castleton Moor	2·979	.....	17						
Penketh	2·280	.....	16						
Eccles.....	2·085	.....	18						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29·793	29·778	29·787	29·766	29·774	29·812
Highest.....				29·963	29·944	29·976	29·494	30·044	29·588
Lowest				29·422	29·423	29·457	28·938	29·484	29·032
Range				0·541	0·521	0·519	0·556	0·560	0·556
Temperature.									
Adopted Mean				59·0	60·0	59·0	58·4	58·8	57·0
Range for Week				19·9	31·3	28·5	30·0	32·2	30·3
Daily Range				12·3	17·3	14·3	16·1	15·5	15·1
Maximum in Shade				69·9	75·5	71·4	71·0	72·6	70·6
Minimum in Shade				50·0	44·2	42·9	41·0	40·4	40·3
Temperature of Dew Point				53·3	55·8	52·1	51·8	52·5	52·4
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0·820	0·868	0·780	0·785	0·795	0·840
Prevailing Winds .....				.....	S, SW	SE, SW	NW, SW	SE, NW	S, W
Rain .....				.....	0·681	1·063	1·305	0·945	0·995
Oxonometer.									
Moffat .....				.....	0·28	0·14	.....	.....	.....
Schonbein.....				.....	0·14	.....	3·40	4·90	.....

August, 12, 1865

JOHN HEAP, *Royton, Oldham*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, AUGUST 19, 1865. No. 264.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 19th instant, 1,302 new cases of disease were seen in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,406 and 1,363. The deaths at the same time amounted to 48, or 1 in every 27.

There was only 1 case of Small-pox and 6 cases of Scarlet Fever, 3 of which were observed among the patients of St. Mary's Hospital.

In some quarters of the town Whooping Cough is very general; at the Clinical Hospital no fewer than 11 sufferers from this disorder were admitted as patients.

It is satisfactory to observe a marked decrease in the number of sufferers from Diarrhoea; in the first week in August no fewer than 231 patients were affected with this disorder, last week only 138.

The seizures from Continued Fever amounted to 69, of which 15 are specially referred to as examples of Typhus; 5 of the latter were admitted as in-patients of the Royal Infirmary, 2 more were seen at the Salford Dispensary, and 2 in St. George's District, Hulme.

Under diseases of the respiratory organs we observe an improvement; in the preceding week 126 cases were recorded, last week 106.

The deaths from Consumption among the poorer classes proved unusually numerous, amounting to no fewer than 13.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 260 deaths were registered in the eleven districts of the Association; in the two preceding weeks the respective numbers were 270 and 302.

We again find a slight improvement under Diarrhoea, 68 instead of 73 deaths being returned.

Continued Fever carried off 15 persons. None of the remaining zymotic diseases occurred to any unusual extent.

In London, according to the last return of the Registrar General, 12 deaths were referred to Cholera, or Choleraic Diarrhoea; and one person, the wife of a working lighter-man, aged twenty-seven years, died of Asiatic Cholera, after twenty-four hours illness.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 60·0°, at Old Trafford it was 57·6°, and at the Infirmary 57·2°.

At Greenwich only about $\frac{1}{3}$ of an inch of rain fell, in this neighbourhood about $1\frac{3}{4}$.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment in 1861

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								" " 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	1	..	5	6	..	..	1	..	..	1	..	1
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	1	..	..	3	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	1	..	..	..	1	1	..	..	..	..	..	..	11
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	6	..	4	3	3	16	1	..	13	..	2	..	19	33
Dysentery .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Continued Fever.....	*8	..	..	†1	†2	§6	17	7	||5	1	¶3	§2	* *6	9	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..
Rheumatism .....	..	..	..	1	..	1	2	16	2	11	1	..	1	..	..
Neuralgic Affections.....	..	..	..	..	..	1	1	1	2	3	..	..	..	..	1
Constitutional Syphilis .....	..	..	..	..	..	1	1	16	..	10	..	1	..	1	1
Phthisis .....	..	2	..	1	..	1	4	5	1	18	..	1	3	..	..
Insanity .....	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	2	..	1	..	8	13	6	2	20	1	1	5	1	7
Pleurisy and Pneumonia....	2	..	..	..	..	..	2	1	..	2	..	..	..	..	..
Skin Diseases.....	..	..	..	1	..	1	2	16	..	17	..	..	..	5	14
Dyspepsia .....	..	..	..	..	..	..	..	2	..	28	1	..	..	3	13
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not } classified.....	13	8	5	2	6	7	41	40	42	205	7	5	8	42	15
TOTAL	25	18	6	12	11	34	106	115	54	330	15	13	24	84	96

* 1 Typhus, removed to Workhouse. + 1 Removed to Workhouse. ‡ Removed to Workhouse. || Typhus.
2 Typhus. 1 removed to Workhouse.

Medical Officers to whom the Associates are attached

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. THOMAS LEEDS,	(13) Mr. H. RUNCO
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. A. PHILIPPS,	(11) „ GEORGE CLEMENTS,	(15) „ J. OGDEN
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 19th day of August, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477			646		508.	2650			Area in Statute Acres.		
70,967.				68,209.			44,850 ..		21739	24,448			Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anceats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.									St. Philip's
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	1	..	..	..	..	..	..	..	..	..	1	4	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
..	2	..	..	..	..	1	..	..	..	..	..	12	28	Measles .....	..
..	..	..	..	..	..	1	..	..	1	..	..	6	19	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	2	..	..	..	2	..	..	..	..	1	18	10	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
..	..	11	1	..	1	3	1	19	2	4	3	136	177	Diarrhoea	8
..	..	..	..	..	..	..	..	1	..	..	..	2	7	Dysentery .....	..
§2	..	††2	1	††4	..	4	3	..	1	||1	..	69	47	Continued Fever	6
..	..	2	..	..	..	..	1	..	..	1	..	7	3	Erysipelas .....	..
3	1	4	1	..	1	1	..	1	1	4	3	57	74	Rheumatism .....	..
1	..	1	..	..	..	1	..	..	..	..	..	11	23	Neuralgic Affections ..	..
..	..	5	..	..	..	..	..	1	..	1	5	44	18	Constitutional Syphilis	..
..	..	8	..	..	..	2	1	..	1	3	1	48	46	Phthisis	13
..	1	..	..	..	1	..	..	..	..	..	..	5	13	Insanity .....	..
..	..	9	..	6	2	2	1	4	..	6	3	95	120	Bronchitis, Influenza, and Catarrh.....	1
..	..	2	..	..	..	1	..	2	..	..	1	11	11	Pleurisy & Pneumonia.	..
..	2	7	2	..	1	1	1	1	1	..	11	81	63	Skin Disease.....	..
2	1	11	..	1	..	2	1	2	1	3	1	75	68	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	....	..	Atrophy and Anæmia..	..
9	8	61	4	5	1	2	7	28	4	44	35	624	670	Accidents and diseases not classified.....	17
17	15	127	9	16	7	23	16	59	12	67	64	1302	1401	.... TOTAL	48

† 2 Typhoid and 1 Typhus, removed to Fever Ward.

** 3 Typhus and 3 Febricula.

†† 2 Typhus.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
 (18) Mr. M. O. LARMUTH,
 (19) „ J. O. BRADBURY,
 (20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
 (22) Dr. ALEX. WILSON,
 (23) Mr. H. M. WILLIAMSON.
 (24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
 (26) „ J. V. L. WESTMACOTT,
 (27) „ JAMES SHACKLETON,
 (28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowet.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	2	1	..	..	1	1	..	..	..	..	1	..
Measles .....	..	2	..	..	..	1	1	..	..	1	..	4	6
Whooping-cough.....	2	3	..	..	..	..	..	..	..	..	..	6	..
Scarlatina	2	1	1	..	..	..	1	1	..	..	1	7	7
Diarrhoea	13	10	2	5	4	11	9	2	e3	8	1	68	64
Fever	1	1	a5	..	b2	..	c1	1	2	g1	h1	15	8
Diseases of the Lungs ..	10	3	4	3	1	6	1	1	4	11	...	44	29
Other causes.....	12	13	11	8	1	10	d12	10	f13	f17	i8	115	127
TOTAL NO. OF DEATHS.	40	33	24	16	8	28	25	15	22	38	11	260	241
TOTAL NO. OF BIRTHS.	31	42	11	12	15	44	15	18	27	62	21	298	329

a 3 Typhus and 2 Typhoid b 1Typhoid and 1 Gastric. c Typhus. d 2 Inquests. e All Infantile. f 8 Inquests.
g Gastric. h Typhoid. i 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL.	DISEASE.	4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL
14	36	15	65	.....Small-pox.....	56	48	25	129
9	14	14	37	..... Chicken-pox	3	3	4	10
20	29	49	98	..... Measles	35	55	40	130
17	33	35	85	.....Scarlatina.....	29	17	39	85
3	3	5	11	..... Diphtheria.....	..	3	..	3
61	59	27	147	.... Whooping-cough	30	42	51	123
11	3	2	16	.....Croup.....	..	1	1	2
480	997	1215	2692	.....Diarrhoea.....	115	335	706	1156
5	18	14	37	.....Dysentery.....	11	21	43	75
..	..	..	..	..... Cholera .....	..	..	..	..
19	27	23	69	.....Erysipelas.....	23	22	14	59
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
13	16	18	47	..... Insanity	26	67	46	139
740	684	381	1805	.Bronchitis and Catarrh..	639	613	426	1678
12	10	8	30	.....Pleurisy.....	72	81	37	190
16	14	13	43	.....Pneumonia.....	..	..	..	..
4	3	6	18	.....Carbuncle.....	..	..	..	..
3689	4780	3916	12385	{ Accidents, and all other Diseases. }	4379	5149	4490	14018
5113	6731	5741	17585	..... TOTAL	5418	6457	5922	17797

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN JULY.				Royal Infirmary, Dr. REED.	Old Trafford, G.V.VERNON, Esq.	Eccles, T.MACKERETH Esq	Royton, J. HEAR, Esq.	Penketh, Warrington. L.W.Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Royton	3.460	.....	17						
Old Trafford..	2.996	.....	15						
Castleton Moor	2.979	.....	17						
Penketh	2.280	.....	16						
Eccles.....	2.085	.....	18						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.641	29.704		29.690	29.637	29.727
Highest.....		Unreduced {	.....	29.832	29.908		29.440	30.001	29.562
Lowest				29.310	29.386		28.885	29.416	29.064
Range				0.522	0.522		0.555	0.585	0.498
Temperature.									
Adopted Mean				57.2	57.6		56.9	57.9	56.6
Range for Week				17.8	25.0		24.5	29.0	21.3
Daily Range.....				11.6	16.4		17.7	16.0	15.1
Maximum in Shade				69.8	75.0		72.8	73.3	69.3
Minimum in Shade				52.0	50.0		48.3	41.3	43.0
Temperature of Dew Point				52.1	52.5		51.5	51.1	50.9
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.835	0.834		0.772	0.780	0.810
Prevailing Winds .....				.....	S,SW		S,SW	S,SW	SW
Rain .....				.....	1.732		1.970	1.183	1.990
Ozonometer.									
Moffat .....				.....	1.14		.....	.....	.....
Schonbein.....				.....	1.00	....	4.80	5.40	....

August. 19, 1865

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, AUGUST 26, 1865. No. 265.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 26th ult., 1,310 new cases of disease and injuries occasioned by accidents occurred in the public practice of Manchester and Salford; in the preceding week there were 1,302, and in the corresponding one of last year 1,403.

Continued Fever under its various forms is still very prevalent, no fewer than 75 cases being recorded in the week; 18 of them are specially referred to as examples of Typhus. Five cases of the latter disease were admitted into the Salford Workhouse, and 5 more into that of Chorlton. In the Regent Road District, Salford, Dr. Johnson reports 3 seizures; in referring to one of these cases he observes that it occurred in a house where the patient, her husband, and 7 children, slept in a room containing only 1,250 cubic feet of air.

Diarrhœa and Dysentery are still on the decline, the respective number of seizures for the three last weeks being 155, 138, and 106.

Not a single case of Small-pox was seen in any quarter of the town, and only a few sporadic cases of Measles and Scarlet Fever.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 254 deaths were registered in the eleven districts of the Association; in the two preceding weeks they were still more numerous. Sixty-seven of the number are referred to Diarrhœa and 19 to Continued Fever; the latter return is unusually high.

In London, according to the last return of the Registrar General, the deaths returned are less by 155 than the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 61·7°, at the Infirmary it was 60·5°, and at Old Trafford 60·2°.

Nearly two inches of rain were registered at Greenwich; at Old Trafford and Eccles, the two stations in the immediate neighbourhood of Manchester, only about $\frac{1}{4}$ of an inch appears to have fallen.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN		
	1	2	3	4	5	6		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	3
Scarlatina .....	..	..	..	..	..	1	1	..	..	..	..	..	..	3	2
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	1	..	..	1	..	..	2	..	..	..	..	5
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Diarrhoea.....	1	1	3	2	1	1	9	4	..	3	..	2	1	19	23
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	1	..	3	..	*1	†5	10	19	‡2	§2	||2	¶4	*1	8	..
Erysipelas .....	..	..	..	..	..	..	..	..	1	..	1	..	1	..	..
Rheumatism	1	..	1	..	1	..	3	14	2	8	2	..	2	1	1
Neuralgic Affections .....	..	..	..	..	..	..	..	..	..	4	..	..	2	..	3
Constitutional Syphilis .....	..	..	..	..	..	..	..	15	..	4	..	..	..	..	..
Phthisis .....	..	..	..	1	1	..	2	3	..	18	..	..	3	2	2
Insanity	1	1	..	..	1	..	3	11	..	1	..	..	..	..	..
Bronchitis, Influenza & Catarrh .....	..	3	..	2	3	3	11	18	..	18	2	2	..	4	8
Pleurisy and Pneumonia.....	..	..	..	1	..	..	1	..	..	..	..	..	..	..	1
Skin Diseases.....	..	1	..	..	..	2	3	14	..	6	..	..	..	2	13
Dyspepsia .....	..	1	..	..	2	..	3	..	1	25	1	..	..	9	12
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	14	3	8	6	3	9	43	38	36	257	6	2	7	42	12
TOTAL	18	10	15	13	13	21	90	136	42	348	14	11	17	91	85

* Febricula. + Removed to Workhouse. ‡ Typhus. § 1 Typhus and 1 Febricula. || 1 Typhus and 1 Gastric.
 ‡ 2 Typhoid and 2 Febricula, 1 removed to Workhouse.

Medical Officers to whom the Association are indebted for their services.

(1) Mr. R. M. MANN.
 (2) „ J. BROADBENT,
 (3) „ EDWARD MEACHAM,
 (4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
 (6) Dr. LEDWARD,
 (7) Mr. A. PHILIPPS,
 (8) Dr. GEORGE REED,

(9) Mr. THOMAS LEEDS,
 (10) „ W. H. SUTCLIFFE,
 (11) „ GEORGE CLEMENTS,
 (12) „

(13) Mr. H. RUNCOLN,
 (14) Dr. WHITEHEAD,
 (15) „ J. OGDEN,
 (16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 26th day of August, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					
1,329				477			646 ..		508.	2650			Area in Statute Acres.		
70,967.				68,209.			44,850 ..		21739	24,448			Population in 1861.		
LAW TRACT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
..	..	..	..	..	..	..	..	2	..	..	1	7	12	Measles .....	..
..	..	..	..	..	..	..	..	..	..	1	..	7	16	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	5	..	..	..	..	..	..	..	..	..	13	2	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	2	Croup .....	..
1	..	3	4	1	..	2	1	16	2	3	4	105	112	Diarrhoea	4
..	..	..	..	..	..	..	..	1	..	..	..	1	11	Dysentery .....	..
*3	††6	2	1	††4	3	..	2	..	..	..	†5	75	40	Continued Fever	6
..	..	2	..	..	..	1	..	1	..	1	1	10	10	Erysipelas .....	..
3	..	3	..	..	1	1	1	..	1	3	4	53	62	Rheumatism .....	..
..	1	..	..	..	..	..	..	1	..	..	..	11	18	Neuralgic Affections ..	..
..	..	3	1	..	..	..	..	1	1	..	2	29	33	Constitutional Syphilis	1
1	..	9	..	..	1	..	..	..	..	2	5	48	43	Phthisis	6
..	..	..	..	..	..	..	..	..	2	..	..	17	11	Insanity .....	..
1	3	10	..	1	..	2	..	3	..	5	4	97	133	Bronchitis, Influenza, and Catarrh	4
1	..	..	..	..	..	..	..	..	..	1	1	5	14	Pleurisy & Pneumonia.	2
..	7	13	1	1	..	..	..	2	1	..	9	72	62	Skin Disease .....	..
2	1	11	..	1	1	1	2	..	1	3	4	80	89	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	....	..	Atrophy and Anæmia ..	..
2	7	83	5	3	5	2	7	22	3	35	49	679	730	Accidents and diseases not classified	21
14	25	144	12	11	11	9	13	49	11	54	89	1310	1403	.... TOTAL	44

Typhus, 1 Gastric, and 2 Febricula.

** Typhus, removed to Workhouse.

†† 5 Typhus.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
 (18) Mr. M. O. LARMUTH,
 (19) „ J. O. BRADBURY,
 (20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
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 (24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
 (26) „ J. V. L. WESTMACOTT,
 (27) „ JAMES SHACKLETON,
 (28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	3	..	..	..	1	..	..	..	..	..	1	3
Measles .....	..	..	..	..	..	..	..	..	..	..	..	3	7
Whooping-cough.....	1	..	..	..	..	..	..	..	..	..	..	1	..
Scarlatina	2	1	..	..	..	1	..	..	..	1	..	5	21
Diarrhoea	9	10	3	6	7	8	4	..	d7	11	2	67	49
Fever	1	3	a4	1	a1	1	b2	..	e2	3	f1	19	7
Diseases of the Lungs ..	6	9	5	2	1	4	3	..	3	12	3	48	37
Other causes.....	9	15	18	5	7	5	c12	6	8	13	12	110	117
TOTAL NO. OF DEATHS.	28	41	30	14	16	20	21	6	20	40	18	254	241
TOTAL NO. OF BIRTHS.	38	32	14	18	15	32	15	18	23	53	21	279	281

a Typhus. b 1 Typhoid. c 4 Inquests. d All Infantile. e 1 Typhus, aged 16 years. f Gastric, aged 4 years.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL.	DISEASE.	4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL
14	36	15	65	.....Small-pox.....	56	48	25	129
9	14	14	37	..... Chicken-pox	3	3	4	10
20	29	49	98	..... Measles	35	55	40	130
17	33	35	85	.....Scarlatina.....	29	17	39	85
3	3	5	11	..... Diphtheria.....	..	3	..	3
61	59	27	147	.... Whooping-cough	30	42	51	123
11	3	2	16	.....Croup.....	..	1	1	2
480	997	1215	2692	.....Diarrhoea.....	115	335	706	1156
5	18	14	37	.....Dysentery.....	11	21	43	75
..	..	..	..	..... Cholera .....	..	..	..	..
19	27	23	69	.....Erysipelas.....	23	22	14	59
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
13	16	18	47	..... Insanity	26	67	46	139
740	684	381	1805	..Bronchitis and Catarrh..	639	613	426	1678
12	10	8	30	..... Pleurisy	72	81	37	190
16	14	13	43	..... Pneumonia .....	..	..	..	..
4	3	6	18	.....Carbuncle.....	..	..	..	..
3689	4780	3916	12385	{ Accidents, and all other Diseases. }	4379	5149	4490	14018
5113	6731	5741	17585	..... TOTAL	5418	6457	5922	17797

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN JULY.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Royton	3.460	.....	17						
Old Trafford..	2.996	.....	15						
Castleton Moor	2.979	.....	17						
Penketh	2.280	.....	16						
Eccles.....	2.085	.....	18						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				29.863	29.870	29.865	29.862	29.859	29.873
Highest.....				30.231	30.244	30.259	29.778	30.326	29.850
Lowest				29.553	29.554	29.557	29.080	29.625	29.232
Range				0.678	0.690	0.702	0.698	0.701	0.648
Temperature.									
Adopted Mean				60.5	60.2	59.7	57.7	60.2	57.0
Range for Week				17.5	29.5	29.8	31.7	31.3	31.3
Daily Range.....				10.0	17.9	16.8	18.8	19.3	18.8
Maximum in Shade				71.0	75.0	73.7	72.3	75.0	71.3
Minimum in Shade				53.5	45.5	43.9	40.6	43.7	40.0
Temperature of Dew Point				55.2	53.7	52.8	51.2	52.7	51.2
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.830	0.792	0.785	0.804	0.785	0.795
Prevailing Winds .....				.....	NE,SW	NE,E	E,SW	E,SE	E,SW
Rain .....				.....	0.196	0.185	0.395	0.577	0.259
Ozonometer.									
Moffat .....				.....	0.00	0.57	.....	.....	.....
Schonbein.....				.....	0.00	.....	1.40	1.70	.....

August. 26, 1865

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

L. V.] WEEK ENDING SATURDAY, SEPTEMBER 2, 1865. No. 266.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 2nd of September, 1,377 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford.

Under Diarrhœa and Dysentery there is a slight increase, the respective number of cases for the two last weeks being 106 and 118. A large proportion of the patients applied for relief at the Clinical Hospital and St. Mary's Hospital; hence it appears that the disorder still falls with especial virulence on the young.

Continued Fever contributed 77 cases to the return, no fewer than 23 of the number being ascribed to Typhus; 5 of the latter came under the observation of Dr. Ledward, in the St. Michael's District. In referring to them he remarks that they "all occurred within a few doors of each other in one street," and were all removed to the Hospital.

Scarlet Fever, Small Pox, and Measles are all less prevalent than in the corresponding week of last year. On the other hand Whooping Cough appears to be gaining ground; in our previous return 13 cases were recorded, last week 16.

Bronchitis and kindred affections of the chest were somewhat less prevalent than in the two preceding weeks.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 248 deaths were registered in the eleven districts of the Association; 15 of them were cases on which it was deemed proper to hold an inquest.

It is satisfactory to observe a decided improvement in the fatality of Diarrhœa; in the two previous weeks 68 and 67 deaths were respectively registered, last week only 46.

The deaths from Fever still continue very numerous, hence it is evident that a large proportion of the cases are due to the more malignant forms of the disease, especially Typhus.

Thirty-eight persons died from diseases connected with the respiratory organs, a marked improvement on the previous return.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 61.4°, at Eccles it was 58.8°, and at Old Trafford 58.2°.

Nearly $\frac{3}{4}$ of an inch of rain fell in this neighbourhood, scarcely any in London.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS. New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN.		
	1	2	3	4	5	6		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
Small-pox	1	1	..	2	..	..	..	1	..	..
Chicken-pox
Measles	2	1	1
Scarlatina	2	..	..	..	..	1	3
Diphtheria
Whooping-cough	1	1	..	..	..	..	..	..	3	5
Croup
Diarrhœa.....	..	1	4	1	..	3	9	5	..	..	..	..	..	23	25
Dysentery
Continued Fever.....	*3	2	..	..	*5	†5	15	21	..	..	‡3	§2	||3	6	..
Erysipelas	1	..	..	..	..
Rheumatism	1	..	1	..	2	13	1	15	i	..	1	..	..
Neuralgic Affections.....	7	..	..	1	..	4
Constitutional Syphilis	4	..	15	..	..	..	..	1
Phthisis	5	..	21	..	4	1	..	2
Insanity	1	..	1	1	..	3	5	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	..	..	..	2	3	10	..	33	1	1	1	..	6
Pleurisy and Pneumonia.....	1	..	..	..	..	..
Skin Diseases.....	1	..	..	1	23	..	15	..	..	..	5	9
Dyspepsia	1	..	..	2	..	3	..	1	29	..	..	1	2	5
Atrophy and Anæmia.
Accidents and diseases not classified.....	18	2	7	5	4	10	46	93	33	234	1	4	7	33	22
TOTAL	21	8	12	8	13	22	84	179	39	370	7	11	18	74	83

* Removed to Workhouse. † Typhus, removed to Workhouse. ‡ 2 Typhus and 1 Typhoid. § 1 Typhus and 1 Febrile

Medical Officers to whom the Associates

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REEF,

(9) } Mr. THOMAS LEEDS,
(10) } „ W. H. SUTCLIFFE,
(11) } „ GEORGE CLEMENTS,
(12) }

(13) Mr. H. RUNO
(14) Dr. WHITEH
(15) „ J OGDEN
(16) Mr. J. TEALF

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 2nd day of September, 1865.

SALFORD.					HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.			Area in Statute Acres. Population in 1861.		DEATHS.
..... 1,329 .....					..... 477 .....			... 646 ...		508.	..... 2650 .....			..... 24,448		
..... 70,967 .....					... 68,209 ...			.. 44,850 ..		21739						
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.
Green Gate.	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
6	17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	1	..	..	..	..	..	..	..	5	6	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
..	..	1	..	..	..	..	..	..	..	1	..	1	7	15	Measles .....	..
..	..	..	..	..	1	..	..	..	1	1	..	..	9	13	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria .....	..
..	..	..	2	..	..	..	1	..	1	..	2	1	16	2	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
5	1	..	3	4	3	..	4	3	20	3	5	1	116	85	Diarrhoea	11
..	1	..	..	..	..	..	..	..	..	..	1	..	2	5	Dysentery .....	..
..	2	17	**3	1	††2	2	1	..	1	..	2	||6	77	55	Continued Fever	7
..	..	..	2	..	..	..	1	..	..	..	2	1	7	2	Erysipelas .....	..
1	..	..	7	1	..	2	1	..	3	1	3	5	59	53	Rheumatism .....	..
1	1	..	..	..	..	..	1	..	2	..	..	..	17	16	Neuralgic Affections ..	..
..	..	1	1	..	..	..	..	..	1	..	..	3	28	39	Constitutional Syphilis	..
1	1	..	11	..	..	1	1	..	..	..	1	2	52	52	Phthisis	11
..	..	1	..	..	..	..	..	..	1	..	..	..	10	5	Insanity	1
E	..	1	19	2	2	1	2	..	4	2	4	7	106	122	Bronchitis, Influenza, and Catarrh.....	5
..	1	..	2	..	..	..	..	..	1	1	..	2	8	11	Pleurisy & Pneumonia.	..
..	1	12	5	1	..	4	..	..	1	..	..	26	108	55	Skin Disease.....	..
1	3	1	7	..	..	..	..	1	..	1	8	4	69	101	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	Atrophy and Anæmia..	..
7	9	5	85	2	3	2	2	5	19	3	29	35	681	637	Accidents and diseases not classified.....	20
9	20	29	147	11	12	12	14	9	55	13	57	94	1377	1277	... TOTAL	56

Typhus. † 4 Typhus. ** 2 Typhus. †† Typhoid, 1 removed to Workhouse.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiptle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	1	..	..	..	..	..	..	..	..	1	2
Measles.....	..	..	..	..	..	..	..	..	..	..	..	..	5
Whooping-cough.....	3	..	..	2	1	1	..	..	..	1	..	8	2
Scarlatina.....	1	..	..	..	..	1	..	..	2	..	..	4	16
Diarrhoea.....	7	6	3	1	2	6	6	1	2	9	3	46	35
Fever.....	2	...	6	..	1	2	3	..	1	4	1	18	8
Diseases of the Lungs ..	3	6	3	2	2	10	1	..	5	6	..	38	30
Other causes.....	a24	5	24	4	d13	h10	f12	g9	10	16	6	133	97
TOTAL NO. OF DEATHS.	40	17	35	9	19	30	22	10	20	36	10	248	195
TOTAL NO. OF BIRTHS.	31	42	11	17	8	41	29	17	34	58	25	313	294

a 12 Inquests. b Typhus. c 1 Typhoid. d 1 Cholera, aged 13 years. e 1 Typhoid and 1 Typhus.
f 1 English Cholera. g 1 Inquest. h 2 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July.	TOTAL.	DISEASE.	4 Weeks ending 27th May.	5 Weeks ending 1st July.	Weeks ending 29th July.	TOTAL
14	36	15	65	.....Small-pox.....	56	48	25	129
9	14	14	37	.....Chicken-pox.....	3	3	4	10
20	29	49	98	.....Measles.....	35	55	40	130
17	33	35	85	.....Scarlatina.....	29	17	39	85
3	3	5	11	.....Diphtheria.....	..	3	..	3
61	59	27	147	....Whooping-cough....	30	42	51	123
11	3	2	16	.....Croup.....	..	1	1	2
480	997	1215	2692	.....Diarrhoea.....	115	335	706	1156
5	18	14	37	.....Dysentery.....	11	21	43	75
..	..	..	..	.....Cholera.....	..	..	..	..
19	27	23	69	.....Erysipelas.....	23	22	14	59
..	..	..	..	....Puerperal Fever....	..	..	..	..
13	16	18	47	.....Insanity.....	26	67	46	139
740	684	381	1805	..Bronchitis and Catarrh..	639	613	426	1678
12	10	8	30	.....Pleurisy.....	72	81	37	190
16	14	13	43	.....Pneumonia.....				
4	3	6	18	.....Carbuncle.....	..	..	..	..
3689	4780	3916	12385	{ Accidents, and all other Diseases.	4379	5149	4490	14018
5113	6731	5741	17585	.....TOTAL.....	5418	6457	5922	17797

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN AUGUST.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T.MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Royton	5.573	16							
Castleton Moor	5.541	17							
Eccles.....	4.977	20							
Penketh	4.837	20							
Old Trafford..	3.410	18							
Height of barometer cistern above sea level.....	130 ft.	123 ft	118ft.	522 ft.	44 ft.	475 ft.			
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....	30.094	30.063	30.086	30.078	30.088	30.117			
Highest.....	30.206	30.224	30.265	29.800	30.354	29.870			
Lowest.....	29.730	29.780	29.772	29.310	29.864	29.444			
Range	0.476	0.444	0.493	0.490	0.490	0.426			
Temperature.									
Adopted Mean	58.0	58.2	58.8	55.3	58.6	55.1			
Range for Week	21.6	32.3	30.6	30.7	36.5	30.0			
Daily Range.....	14.3	17.7	15.3	18.7	15.5	14.5			
Maximum in Shade	72.0	79.3	76.5	71.0	77.4	73.0			
Minimum in Shade	50.4	47.0	45.9	40.3	40.9	43.0			
Temperature of Dew Point	49.5	51.8	50.8	50.7	51.5	49.9			
Hygrometrical condition of the Atmosphere				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....	0.735	0.790	0.750	0.840	0.775	0.825			
Prevailing Winds		W,SW	W,SW	W,SW	NW,SW	NW,SW			
Rain		0.609	0.836	0.740	0.868	0.760			
Ozonometer.									
Moffat		0.43	0.43	....	....	....
Schonbein.....		0.28	....	1.80	2.20	....		

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, SEPTEMBER 9, 1865. No. 267.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 9th instant, 1,434 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,310 and 1,377.

Continued Fever still keeps very general, and appears to be gaining ground; no fewer than 89 cases are recorded, exhibiting an increase of 11 on our last return; 11 of them were ascribed to Typhus and 6 to Typhoid Fever. Twenty-two more sufferers were admitted into the Workhouse, while no fewer than 14 applied for relief at St. Mary's Hospital.

Diarrhoea contributed 94 cases to the return; the disease appears to be chiefly confined to children, no fewer than 28 young patients being relieved at the Clinical Hospital; in the Manchester Poor Law Districts only 2 cases were observed.

Whooping Cough appears to be steadily gaining ground, the respective number of seizures for the three last weeks being 13, 16, and 23.

There was only 1 case of Small-pox, which was admitted into the Royal Infirmary.

Under Bronchitis and kindred affections of the chest we observe a slight improvement, 106 instead of 114 cases being returned.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 267 deaths were registered in the eleven districts of the Association; 19 more than in the preceding week; in the corresponding week of last year the number did not exceed 173.

Diarrhoea proved fatal in 50 cases, while 50 more succumbed to diseases connected with the respiratory organs.

Continued Fever carried off 13 persons and Scarlet Fever 10.

At the Royal Observatory, Greenwich, the mean temperature of the air was 67.4° , which is no less than 9.4° above the average of the last fifty years. The mean temperature on Friday (72.1°) was higher than the mean temperature of any day as far back as August, 12th, 1861, when it was 72.9° . At the Royal Infirmary the mean temperature was 67.5° , at Old Trafford 65.2° , and at Eccles 64.8° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								" " 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles .....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	4
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	1	1	..	..	..	..	..	..	4	8
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	2	..	..	..	..	2	8	..	1	..	..	..	10	28
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	9	1	2	1	*1	*2	16	22	..	..	†2	*1	‡5	14	1
Erysipelas .....	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..
Rheumatism .....	..	1	..	..	..	..	1	13	5	14	..	1	..	1	..
Neuralgic Affections.....	..	..	..	..	..	..	..	..	5	10	..	..	..	..	1
Constitutional Syphilis .....	..	..	..	..	..	..	..	6	1	9	..	..	..	..	2
Phthisis .....	..	1	..	1	..	1	3	6	1	22	2	1	6	..	5
Insanity	1	1	..	..	..	..	2	8	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	..	..	..	..	1	2	11	..	32	..	..	..	1	6
Pleurisy and Pneumonia....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	1
Skin Diseases.....	1	..	..	..	..	1	2	14	..	12	..	..	1	8	8
Dyspepsia .....	..	..	..	..	..	..	..	..	..	36	1	..	..	4	13
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	12	4	8	9	3	8	44	60	37	287	7	2	6	41	26
TOTAL	24	10	10	11	4	15	74	150	50	424	12	6	18	85	105

* Febricula. † 1 Typhus and 1 Typhoid. ‡ 3 Typhoid, 1 Typhus and 1 Febricula. § Removed to Workhouse

Medical Officers to whom the Association are indebted

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. THOMAS LEEDS,	(13) Mr. H. RUNCO
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. A. PHILIPPS,	(11) „ GEORGE CLEMENTS,	(15) „ J. OGDEN
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ck ending the 9th day of September, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477.			646. ...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448			Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.										St. Philip's
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	1	5	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Chicken-pox .....	..
..	..	..	..	..	..	..	..	1	..	..	..	6	19	Measles .....	..
..	..	..	..	..	..	..	..	..	..	1	..	4	22	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	3	..	..	..	4	..	2	..	1	..	23	2	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
1	..	2	1	2	1	2	6	16	1	3	3	91	65	Diarrhoea	7
..	..	..	..	..	..	1	..	..	..	..	..	3	3	Dysentery .....	..
|| 3	|| 5	4	..	|| 2	4	4	1	..	1	..	|| 1	89	45	Continued Fever	4
..	..	3	..	..	..	..	1	1	..	1	1	9	3	Erysipelas .....	..
2	3	9	1	2	..	2	..	..	1	3	5	66	52	Rheumatism	1
..	..	2	..	..	2	1	..	..	..	..	..	23	10	Neuralgic Affections ..	..
..	1	4	..	..	..	..	..	..	..	..	1	27	22	Constitutional Syphilis	5
..	..	11	..	..	..	2	..	..	..	1	2	63	40	Phthisis	2
..	4	..	..	..	..	..	..	..	..	..	..	14	11	Insanity .....	..
3	..	21	2	..	..	3	..	4	1	4	6	101	135	Bronchitis, Influenza, and Catarrh.....	2
..	..	1	..	..	..	..	..	..	..	..	1	5	12	Pleurisy & Pneumonia.	2
..	3	9	..	2	..	1	..	3	..	..	14	77	60	Skin Disease.....	..
3	2	12	1	2	3	2	1	..	2	4	3	97	55	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	....	..	Atrophy and Anæmia..	..
13	12	74	3	1	6	3	4	26	6	31	29	734	691	Accidents and diseases not classified.....	20
25	30	155	8	11	21	25	13	53	12	49	66	1434	1253	.... TOTAL	43

|| 1 Typhus and 2 Typhoid.

|| Typhus.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
 (18) Mr. M. O. LARMUTH,
 (19) „ J. O. BRADBURY,
 (20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
 (22) Dr. ALEX. WILSON,
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 (24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
 (26) „ J. V. L. WESTMACOTT,
 (27) „ JAMES SHACKLETON,
 (28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowet.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	1	..	..	1	..	..	..	..	1	..	3	1
Measles .....	..	..	..	..	..	1	2	1	..	..	..	4	4
Whooping-cough.....	2	1	1	1	..	1	..	..	..	1	..	7	2
Scarlatina	3	2	..	1	..	2	..	1	..	..	1	10	18
Diarrhoea	13	9	3	1	2	6	4	5	1	5	1	50	17
Fever	2	1	a1	a1	1	..	b2	1	1	1	f2	13	10
Diseases of the Lungs ..	6	7	8	4	4	9	3	..	2	7	..	50	37
Other causes.....	15	15	17	8	5	6	c15	d16	e10	18	5	130	84
TOTAL NO. OF DEATHS.	41	36	30	16	13	25	26	24	14	33	9	267	173
TOTAL NO. OF BIRTHS.	42	39	16	18	16	36	32	19	20	61	18	317	289

a Typhus. b Typhoid. c 7 Inquests, and 1 Cholera, 16 hours. d 1 English Cholera. e 5 Atrophy.
f 1 Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

1 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL.	DISEASE.	4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL
14	36	15	65	..... Small-pox.....	56	48	25	129
9	14	14	37	..... Chicken-pox	3	3	4	10
20	29	49	98	..... Measles	35	55	40	130
17	33	35	85	..... Scarlatina.....	29	17	39	85
3	3	5	11	..... Diphtheria.....	..	3	..	3
61	59	27	147	.... Whooping-cough	30	42	51	123
11	3	2	16	..... Croup.....	..	1	1	2
480	997	1215	2692	..... Diarrhoea	115	335	706	1156
5	18	14	37	..... Dysentery.....	11	21	43	75
..	..	..	..	..... Cholera .....	..	..	..	..
19	27	23	69	..... Erysipelas.....	23	22	14	59
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
13	16	18	47	..... Insanity	26	67	46	139
740	684	381	1805	.. Bronchitis and Catarrh..	639	613	426	1678
12	10	8	30	..... Pleurisy	72	81	37	190
16	14	13	43	..... Pneumonia .....	..	..	..	..
4	3	6	18	..... Carbuncle.....	..	..	..	..
3689	4780	3916	12385	{ Accidents, and all other Diseases. }	4379	5149	4490	14018
5113	6731	5741	17585	..... TOTAL	5418	6457	5922	17797

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN AUGUST.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Royton	5.573	16							
Castleton Moor	5.541	17							
Eccles.....	4.977	20							
Penketh ...	4.837	20							
Old Trafford..	3.410	18							
Height of barometer cistern above sea level.....	130 ft.	123 ft.	118ft.	522 ft.	44 ft.	475 ft.			
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....	30.031	30.054	30.043	30.044	30.043	30.051			
Highest.....	30.116	30.127	30.157	29.681	30.232	29.770			
Lowest	29.828	29.864	29.853	29.400	29.934	29.508			
Range	0.288	0.263	0.304	0.281	0.298	0.268			
Temperature.									
Adopted Mean	65.5	65.2	64.8	63.9	64.8	61.9			
Range for Week	22.1	23.2	26.3	27.0	27.7	25.2			
Daily Range.....	14.2	19.9	18.3	20.7	19.6	15.9			
Maximum in Shade	79.2	77.0	80.0	79.0	80.0	77.0			
Minimum in Shade	57.1	53.8	53.7	52.0	52.3	51.2			
Temperature of Dew Point	57.3	59.0	57.0	57.6	56.6	55.2			
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....	0.755	0.810	0.755	0.840	0.745	0.790			
Prevailing Winds		SW,S	SW,SE	SW	SW,SSW	SW			
Rain		0.427	0.355	0.360	0.245	0.334			
Oxonometer.									
Moffat		2.14	1.14	..	..	..
Schonbein.....		1.71	..	2.80	2.40	..			

September 9, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, SEPTEMBER 16, 1865. No. 268.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 16th instant, 1,445 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford.

Under Diarrhœa and Dysentery we observe a decided increase, amounting to 35 cases, the respective number of seizures for the two last weeks being 94 and 129. No fewer than 41 of the cases, or nearly one-third, occurred among the patients of the Clinical Hospital; hence we see that the disease still continues especially prevalent among the young. Twenty-six more sufferers applied for advice at the Chorlton Dispensary, and 12 at St. Mary's Hospital.

Continued Fever, to which we have repeatedly directed attention in our late returns, is still gaining ground, the total number of new cases amounting to 93; no fewer than 13 of them terminated fatally, hence we should conclude—even though no special reference were made either to Typhus or Typhoid—that these Fevers existed to a very general extent. At the Manchester Workhouse no fewer than 33 Fever cases are returned, the great majority of them certainly being Typhus seizures; Dr. Ledward records 4 more cases of the same disease. In referring to them he remarks that “one of the cases of Typhus (a girl seven years of age) had been recently sent out of the Fever Hospital in Liverpool, came direct to Manchester, and had a relapse; the remaining 3 cases occurred in different dwellings, where the whole family in each case had previously suffered from Fever.” Dr. Ledward further adds that “the tenements in which they occurred should be thoroughly cleansed and lime-washed before a fresh tenant is allowed to enter.”

In spite of the warm weather Whooping Cough is still gaining ground. None of the remaining zymotic diseases occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 220 deaths were registered in the eleven districts of the Association; in the two preceding weeks they were still more numerous, amounting to 248 and 267. Forty-nine were ascribed to Diarrhœa and 18 to Fever.

We observe a decided improvement in the mortality arising from diseases connected with the lungs; in our previous return 50 deaths were attributed to this cause, last week only 33.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 67.8° , or 10.5° above the average of the same week in fifty years. At Old Trafford it was 64.3° , at the Royal Infirmary 64.2° , and at Eccles 63.7° .

No rain was measured either at Greenwich or at any of the Manchester stations.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS

New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.					CHILDREN		
	1	2	3	4	5	6		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
Small-pox .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	2	2	..	..	..	..	1	..	..	1
Scarlatina .....	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	1	1	..	2	4	..	..	..	..	..	..	2	16
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea	1	1	1	2	1	3	9	..	..	5	..	..	..	12	41
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever .....	..	..	1	1	*1	†5	8	33	‡5	..	§2	*3	||3	4	..
Erysipelas .....	..	..	..	..	..	..	..	2	..	1	1	..	..	..	..
Rheumatism	1	1	..	..	..	..	2	15	..	21	..	..	..	1	1
Neuralgic Affections .....	..	..	..	..	..	..	..	..	..	4	1	..	1	..	..
Constitutional Syphilis .....	..	..	..	..	..	1	1	7	..	14	..	1	..	..	1
Phthisis .....	..	..	..	1	..	..	1	3	..	23	2	4	6	1	6
Insanity .....	..	1	1	..	..	1	3	6	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	2	1	2	..	3	9	5	1	30	1	..	1	..	11
Pleurisy and Pneumonia .....	..	..	..	..	..	..	..	1	1	..	1	1	..	..	..
Skin Diseases .....	..	1	..	1	..	..	2	19	..	22	..	..	..	6	7
Dyspepsia	1	..	..	..	1	1	3	..	..	38	..	..	2	1	5
Atrophy and Anæmia .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified	15	1	6	5	4	8	39	77	46	203	5	2	7	68	31
TOTAL	19	7	11	13	7	27	84	168	55	361	13	14	20	95	120

* Febricula. † 4 Typhus, removed to Workhouse. ‡ 3 Typhus and 2 Typhoid. § Typhus. || 2 Typhus and 1 Typhoid.

Medical Officers to whom the Association is indebted

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. THOMAS LEEDS,	(13) Mr. H. RUNCO
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. A. PHILIPPS,	(11) „ GEORGE CLEMENTS,	(15) „ J. OGDEN
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 16th day of September, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477			646		508	2650			Area in Statute Acres.		
70,967				68,209			44,850		21739	24,448			Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	1	..	..	2	6	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
..	..	..	..	..	..	..	..	..	1	..	..	5	16	Measles .....	..
..	..	..	..	..	..	..	..	..	1	..	..	4	41	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Diphtheria .....	..
..	..	4	..	..	..	3	..	1	..	1	..	31	3	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	1	..	1	1	Croup .....	..
4	..	3	2	2	3	3	1	26	1	4	1	121	68	Diarrhoea	6
1	..	2	..	..	..	1	..	..	..	..	..	8	4	Dysentery .....	..
5	17	5	..	**4	2	††1	..	..	1	..	††6	93	65	Continued Fever	13
..	..	2	..	1	..	..	..	..	..	..	..	7	6	Erysipelas .....	..
2	..	7	..	..	2	1	..	..	1	4	..	60	53	Rheumatism .....	..
..	..	..	..	..	..	1	..	..	..	..	..	7	14	Neuralgic Affections ..	..
..	..	4	..	..	..	..	..	1	..	1	6	36	34	Constitutional Syphilis	2
..	..	12	..	..	..	2	..	1	..	2	4	67	55	Phthisis	8
..	2	..	..	..	..	..	..	..	..	..	..	13	13	Insanity .....	..
3	1	23	2	3	3	3	1	4	2	5	4	119	118	Bronchitis, Influenza, and Catarrh.....	3
..	..	..	..	..	..	..	..	1	1	1	..	7	23	Pleurisy & Pneumonia.	..
3	9	6	..	3	..	..	1	1	..	..	2	81	51	Skin Disease.....	..
6	..	5	1	1	..	2	2	..	1	5	3	80	77	Dyspepsia .....	..
..	..	3	..	..	..	..	..	..	..	..	..	4	..	Atrophy and Anæmia..	..
9	2	83	2	3	3	4	3	19	6	41	37	699	677	Accidents and diseases not classified.....	19
33	21	159	7	17	13	24	3	54	16	65	63	1445	1327	.... TOTAL	53

† 6 Typhus.

** 2 Typhus, removed to Hospital.

†† 3 Typhus.

†† 2 Typhus, and 4 Typhoid.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardswick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	3
Measles .....	..	1	..	..	..	..	..	..	..	1	..	2	5
Whooping-cough.....	3	4	..	2	..	1	1	..	1	..	..	12	..
Scarlatina	2	..	3	1	..	3	..	1	..	..	..	10	19
Diarrhoea	10	7	2	4	2	8	3	..	4	6	3	49	27
Fever	1	..	a8	..	b2	..	c2	1	e1	f1	g2	18	12
Diseases of the Lungs ..	4	7	4	4	1	4	..	1	3	5	..	33	36
Other causes.....	11	13	19	6	2	5	d12	9	7	8	4	96	97
TOTAL NO. OF DEATHS.	31	32	36	17	7	21	18	12	16	21	9	220	199
TOTAL NO. OF BIRTHS.	37	33	20	14	23	25	32	22	41	58	15	320	336

a 7 Typhus and 1 Scarlet. b 1 Typhus. c Typhus. d 1 Inquest. e Rheumatic. f Typhoid.
g 1 Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL.	DISEASE.	4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL
14	36	15	65	.....Small-pox.....	56	48	25	129
9	14	14	37	..... Chicken-pox	3	3	4	10
20	29	49	98	..... Measles	35	55	40	130
17	33	35	85	.....Scarlatina.....	29	17	39	85
3	3	5	11	..... Diphtheria .....	..	3	..	3
61	59	27	147	.... Whooping-cough	30	42	51	123
11	3	2	16	.....Croup.....	..	1	1	2
480	997	1215	2692	.....Diarrhoea.....	115	335	706	1156
5	18	14	37	.....Dysentery.....	11	21	43	75
..	..	..	..	..... Cholera .....	..	..	..	..
19	27	23	69	.....Erysipelas.....	23	22	14	59
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
13	16	18	47	..... Insanity	26	67	46	139
740	684	381	1805	..Bronchitis and Catarrh..	639	613	426	1678
12	10	8	30	..... Pleurisy	72	81	37	190
16	14	13	43	..... Pneumonia .....	..	..	..	..
4	3	6	18	.....Carbuncle.....	..	..	..	..
3689	4780	3916	12385	{ Accidents, and all other Diseases. }	4379	5149	4490	14018
5113	6731	5741	17585	..... TOTAL	5418	6457	5922	17797

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN AUGUST.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T.MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Royton	5.573	.....	16						
Castleton Moor	5.541	.....	17						
Eccles.....	4.977	.....	20						
Penketh ..	4.837	.....	20						
Old Trafford..	3.410	.....	18						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				30.219	30.244	30.233	30.238	30.231	30.231
Highest.....				30.370	30.380	30.419	29.925	30.474	30.020
Lowest				29.840	29.892	29.923	29.442	29.990	29.514
Range				0.530	0.488	0.496	0.483	0.484	0.506
Temperature.									
Adopted Mean				64.2	64.3	63.7	63.1	64.6	61.7
Range for Week				24.2	28.7	27.7	27.8	28.3	28.5
Daily Range.....				13.5	18.7	16.2	18.8	16.6	17.2
Maximum in Shade				81.9	84.2	82.8	81.3	80.9	79.0
Minimum in Shade				57.7	55.2	55.1	53.5	52.6	50.5
Temperature of Dew Point				58.1	59.2	57.3	57.7	58.0	55.4
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.815	0.841	0.797	0.825	0.790	0.800
Prevailing Winds .....				.....	SW,SE	SW,NE	SW	SW,SE	SW
Rain .....				.....	0.000	0.000	0.000	0.168	0.000
Ozonometer.									
Moffat .....				.....	0.00	0.14	.....	.....	.....
Schonbein.....				.....	0.00	....	2.30	2.50	....

September 20, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, SEPTEMBER 23, 1865. No. 269.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 23rd instant, 1,429 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths at the same time amounted to 54, or 1 in every 26 cases.

The return, viewed as a whole, is not satisfactory. There is an alarming increase under Continued Fever; in the preceding week the seizures under this column were sufficiently numerous, no fewer than 93 being recorded,—this week they amount to 119. A very large proportion of them belong to the Typhus and Typhoid forms of the disease, 36 cases of the former disease and 10 of the latter are specially referred to; at the same time 32 fever patients were admitted into the Manchester Workhouse. There can be little doubt that the great majority of them were aggravated cases of the more severe forms of the malady. We probably are within the mark if we affirm that no fewer than 70 cases of true Typhus were seen in the public practice of Manchester and Salford. Mr. Ed. Meacham directs special attention to 5 of 11 cases which came under his observation,—they occurred in one small two-roomed cottage; “the subjects of that fever were the father, mother, two children, and a lodger; as many as 16 Irish harvestmen slept on the floor upstairs, on feather beds, while the children were compelled to sleep on straw littered down upon the landing at the foot of the stair. This overcrowding was uncalled for as the father was in good work.”

Whooping Cough still continues to gain ground, no fewer than 18 new cases were admitted upon the books of the Clinical Hospital. None of the remaining zymotic diseases occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week there was a considerable increase in the number of deaths registered in the eleven districts of the Sanitary Association; in the week terminating on the 16th of September the number did not exceed 220, in the following week, that embraced in this return, it amounted to 265.

The virulence of Diarrhoea does not appear to increase, the respective number of seizures during the last three weeks being 50, 49, and 49.

The deaths from Fever rose from 18 to 26. After the remarks we have ventured upon in the disease portion of this return this increase will not appear strange.

In the last return of the Registrar General 3 cases of Cholera are said to have occurred in London. Two more cases of the same disease, presenting (it is said) the characteristic symptoms of the Asiatic form of the disease have been observed at Southampton.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 60·9°; at none of the Manchester stations did it exceed 58·6°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS.
New Cases of Disease coming under Treatment During the Year 1861.

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
							Total of Districts.	ROYAL INFIRMARY.						CHILDREN		
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's		Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	
Small-pox	+2	2	..	..	..	..	..	..	..	..	..
Chicken-pox
Measles	1	..	..	2	..
Scarlatina	2	..	..	1	..
Diphtheria
Whooping-cough	1	..	..	1	..	..	1	..	..	..	4	18	..
Croup	1	..
Diarrhoea.....	..	1	1	..	2	2	6	8	..	2	..	2	..	16	14	..
Dysentery
Continued Fever.....	1	1	11	*4	+3	‡4	24	32	||6	..	¶2	**4	++10	7	..	..
Erysipelas	1	..	..	1	1	..	..	..	..
Rheumatism	4	..	1	1	6	11	2	16	..	..	1	..	..	..
Neuralgic Affections	1	4	..	..	..	..	..	..
Constitutional Syphilis	1	..	..	1	5	..	9	..	..	..	..	2	..
Phthisis	1	..	..	..	..	1	2	..	21	1	1	8	1	1	..
Insanity	1	1	2	..	..	4	7	..	..	..	..	1	..	..	..
Bronchitis, Influenza & Catarrh	2	..	3	..	1	6	11	..	28	5	2	2	1	11	..
Pleurisy and Pneumonia.....	1	..	..	2	..	1	..
Skin Diseases.....	..	1	1	..	..	1	3	16	..	8	..	..	..	3	10	..
Dyspepsia	1	38	..	2	4	1	8	..
Atrophy and Anæmia.
Accidents and diseases not classified.....	17	3	5	7	2	12	46	67	55	230	5	4	8	34	17	..
TOTAL	18	10	23	18	8	23	100	160	65	353	14	19	31	67	86	1

* Typhus, all in one Family, removed to Workhouse. + 2 Typhus and 1 Febricula, one removed to Workhouse. ‡ Unvaccinated.
** 3 Typhus and 1 Typhoid, all removed to Workhouse. ++ 6 Typhus, 3 Typhoid, and 1 Febricula.

Medical Officers to whom the Association are indebted for their assistance.

- (1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REEF,

(9) } Mr. THOMAS LEEDS,
(10) } „ W. H. SUTCLIFFE,
(11) } „ GEORGE CLEMENTS,
(12) }

(13) Mr. H. RUNCO
(14) Dr. WHITEHEAD
(15) „ J. OGDEN
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 23rd day of September, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477			646...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209.			44,850..		21739	24,448				Population in 1861.		
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work-house.	Total.	Corresponding Week last Year.	DISEASES.		
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	2	7	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	3	21	Measles .....	..
..	..	9	..	1	..	..	..	1	..	1	..	15	17	Scarlatina	1
..	..	..	..	..	1	..	..	..	..	..	..	1	1	Diphtheria .....	..
..	..	5	..	1	..	4	..	2	..	2	..	38	1	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup	1
2	1	5	5	1	1	2	1	16	2	5	5	102	68	Diarrhoea	3	
..	..	2	1	..	..	..	..	..	..	..	..	3	3	Dysentery .....	..
4	§§4	6	..	††1	..	4	2	..	1	‡§2	|||6	119	49	Continued Fever	8	
..	..	..	..	1	1	..	..	1	..	..	1	7	5	Erysipelas .....	..
2	2	9	1	..	..	1	1	..	1	3	3	64	77	Rheumatism	1
..	..	3	..	..	..	..	..	..	..	..	..	8	13	Neuralgic Affections ..	..
..	1	5	..	..	..	..	..	1	1	..	2	29	32	Constitutional Syphilis	..
..	..	15	..	..	..	2	..	1	1	2	4	56	54	Phthisis	6
..	2	..	..	..	..	..	1	..	..	..	..	15	16	Insanity .....	..
1	..	29	3	4	2	3	2	3	2	6	9	136	114	Bronchitis, Influenza, and Catarrh.....	3	
..	..	2	..	..	..	1	..	..	..	..	..	8	14	Pleurisy & Pneumonia.	1
..	3	11	..	..	..	..	..	3	..	..	4	62	60	Skin Disease.....	..
1	..	13	..	..	4	2	1	..	1	4	3	85	55	Dyspepsia .....	..
..	..	..	..	..	..	..	..	1	..	..	..	i	..	Atrophy and Anæmia..	2
18	6	63	1	3	8	3	5	21	2	35	31	674	710	Accidents and diseases not classified.....	28	
28	19	177	11	12	17	22	13	50	11	60	63	1429	1318	.... TOTAL	54

typhus, 2 removed to Hospital. ¶ 4 Typhus, 1 Typhoid, and 1 Febricula. ¶ 1 Typhus and 1 Typhoid.
typhus, removed to Workhouse. §§ Typhus. ||| 4 Typhus and 2 Typhoid. ‡† Typhoid.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,	(21) Mr. JOHN SMITH,	(25) Mr. JOHN RAYNER,
(18) Mr. M. O. LARMUTH,	(22) Dr. ALEX. WILSON,	(26) „ J.V.L.WESTMACOTT,
(19) „ J. O. BRADBURY,	(23) Mr. H. M.WILLIAMSON.	(27) „ JAMES SHACKLETON,
(20) „ W. B. STOTT,	(24) „ JOSEPH FOSTER,	(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	1	..	..	..	1	..	..	1	..	..	1	..
Measles .....	..	1	..	..	..	..	..	..	1	..	..	2	4
Whooping-cough.....	1	5	..	1	..	..	..	..	1	..	..	8	1
Scarlatina	1	2	..	..	..	1	..	..	2	10	1	5	21
Diarrhoea	9	8	1	4	3	7	5	..	..	..	..	49	22
Fever	2	a3	b8	c3	..	2	f1	3	1	g3	..	26	10
Diseases of the Lungs ..	3	5	5	5	4	3	..	..	4	8	2	39	33
Other causes.....	13	11	28	d13	7	e7	e11	6	d12	17	h10	135	120
TOTAL NO. OF DEATHS.	29	35	42	26	14	21	17	9	21	38	13	265	211
TOTAL NO. OF BIRTHS.	43	41	21	20	24	31	24	11	39	59	22	335	316

a Typhoid. b 6 Typhus and 2 Typhoid. c 2 Typhoid. d 4 Inquests. e 2 Inquests. f Typhus.
g 1 Typhus. h 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL.	DISEASE.	4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL
14	36	15	65	.....Small-pox.....	56	48	25	129
9	14	14	37	..... Chicken-pox	3	3	4	10
20	29	49	98	..... Measles	35	55	40	130
17	33	35	85	.....Scarlatina.....	29	17	39	85
3	3	5	11	..... Diphtheria.....	..	3	..	3
61	59	27	147	.... Whooping-cough	30	42	51	123
11	3	2	16	.....Croup.....	..	1	1	2
480	997	1215	2692	.....Diarrhoea.....	115	335	706	1156
5	18	14	37	.....Dysentery.....	11	21	43	75
..	..	..	..	..... Cholera .....	..	..	..	..
19	27	23	69	..... Erysipelas.....	23	22	14	59
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
13	16	18	47	..... Insanity	26	67	46	139
740	684	381	1805	.. Bronchitis and Catarrh..	639	613	426	1678
12	10	8	30	..... Pleurisy	72	81	37	190
16	14	13	43	..... Pneumonia				
4	3	6	18	..... Carbuncle .....	..	..	..	..
3689	4780	3916	12385	{ Accidents, and all other Diseases. }	4379	5149	4490	14018
5113	6731	5741	17585	..... TOTAL	5418	6457	5922	17797

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN AUGUST.				Royal Infirmary, Dr. REED.	Old Trafford, G. V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Royton	5.573	.....	16						
Castleton Moor	5.541	.....	17						
Eccles.....	4.977	.....	20						
Penketh ...	4.837	.....	20						
Old Trafford..	3.410	.....	18						
Height of barometer cistern above sea level.....	130 ft.			123 ft	118ft.	522 ft.	44 ft.	475 ft.	
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....	30.358			30.354	30.349	30.361	30.343		
Highest.....	30.460	Unreduced {	.....	30.485	30.017	30.566	30.094		
Lowest	29.984			29.999	29.527	30.089	29.624		
Range	0.476			0.486	0.490	0.477	0.450		
Temperature.									
Adopted Mean	58.6			56.6	57.4	57.7	56.1		
Range for Week	28.6			38.3	35.6	35.4	35.0		
Daily Range.....	17.1			24.4	24.9	24.2	23.7		
Maximum in Shade	75.8			78.3	74.0	76.6	74.0		
Minimum in Shade	47.2			40.0	38.4	41.2	39.0		
Temperature of Dew Point	53.0			50.4	51.5	53.0	50.6		
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....	0.815			0.804	0.805	0.840	0.815		
Prevailing Winds					SW,W,NW	SE,NE	NNW,N	SE,NNE	
Rain					0.216	0.290	0.170	0.260	
Ozonometer.									
Moffat					0.00				
Schonbein.....						2.80	1.40		

September 27, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, SEPTEMBER 30, 1865. No. 270.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 30th ultimo, 1,449 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford.

The returns under Diarrhœa and Dysentery are an improvement on those of the two preceding weeks, the respective numbers for the three last weeks being 129, 105, and 84.

There were 87 cases of Continued Fever, or 32 fewer than in our previous report; 20 cases of this disease (the great majority probably being examples of true typhus) were admitted into the Manchester Workhouse, and 6 more into the Salford Workhouse. The deaths from fever observed in public practice were unusually numerous, no fewer than 13 being recorded. This might have been anticipated from the great addition to the number of seizures alluded to in our preceding return. Whenever any particular disease is in excess one week we may look for an increase in the deaths under that column in the succeeding week.

Whooping Cough still continues to gain ground. None of the remaining zymotic diseases occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 276 deaths were registered in the eleven districts of the Association; in the two preceding weeks the respective numbers were 220 and 265.

The mortality arising from Diarrhœa remains singularly stationary, during the three last weeks the respective number of fatal cases was 49, 49, and 44. In London, according to the last return of the Registrar General, there was a slight increase in the deaths attributed to this cause; at the same time 4 deaths were ascribed to Cholera.

At the Royal Observatory, Greenwich, the mean temperature in the week was 59.3°; but at none of the Manchester Stations did it exceed 57.4°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		" " 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Measles .....	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	1	..	1	1	..	3	..	..	3	..	..	..	1	18
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	1	1	..	1	..	..	3	4	..	9	..	1	..	8	17
Dysentery .....	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..
Continued Fever.....	4	*2	†2	..	*1	‡2	11	20	§5	..	||1	¶2	**6	4	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism .....	..	..	..	..	..	..	..	16	..	15	1	..	3	..	3
Neuralgic Affections.....	..	..	2	..	..	..	2	..	1	5	1	..	..	1	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	6	..	18	..	1	1	1	3
Phthisis .....	..	..	1	..	1	1	3	4	..	23	2	2	1	..	1
Insanity .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	..	..	..	1	2	4	9	..	28	6	6	3	6	17
Pleurisy and Pneumonia....	..	1	..	..	..	..	1	..	..	2	1	1	1	..	1
Skin Diseases.....	..	..	..	..	..	..	..	12	..	20	..	..	..	1	15
Dyspepsia .....	..	..	..	..	..	..	..	..	..	20	..	..	1	1	7
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	20	2	10	10	..	14	56	73	53	240	4	7	10	42	17
TOTAL	26	7	16	12	4	20	85	146	59	384	17	20	27	66	101

* Febricula. + 1 Febricula. † 1 Typhus. ‡ 4 Typhus and 1 Typhoid.
‡‡ Typhoid. §§ Typhus. ||| Typhoid, removed to Workhouse. || Typhus, removed to Fever Ward.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REED,

(9) }
(10) } Mr. THOMAS LEEDS,
(11) } „ W. H. SUTCLIFFE,
(12) } „ GEORGE CLEMENTS,

(13) Mr. H. RUNCOR
(14) Dr. WHITEHEAD
(15) „ J. OGDEN F
(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

c ending the 30th day of September, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					
1,329				477			646...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448			Population in 1861.		
LAW DISTRICT.	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.
	Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.										St. Philip's
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	..	11	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Chicken-pox .....	..
..	1	..	..	..	..	..	..	..	..	..	..	3	14	Measles .....	..
..	..	..	..	2	..	1	..	..	..	2	..	8	16	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	5	..	3	..	4	1	5	..	1	3	47	..	Whooping-cough	2
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup .....	..
1	..	5	4	..	1	3	1	16	2	3	..	79	50	Diarrhoea	4
..	..	2	..	..	..	..	..	..	..	..	..	5	...	Dysentery .....	..
+1	§§6	7	3	|||3	2	2	2	..	6	§§1	§§3	87	51	Continued Fever	13
..	..	..	..	..	1	..	1	..	..	..	1	3	8	Erysipelas .....	..
3	1	7	1	1	..	..	..	1	1	4	4	64	87	Rheumatism .....	..
..	..	2	..	..	..	..	..	..	..	..	..	12	26	Neuralgic Affections ..	..
1	1	4	..	..	..	..	..	..	2	..	3	44	19	Constitutional Syphilis	2
1	1	14	..	1	..	2	1	1	..	2	2	62	49	Phthisis	5
..	..	..	..	..	..	..	..	..	..	..	..	2	12	Insanity .....	..
2	..	29	3	6	..	3	3	4	2	5	10	153	164	Bronchitis, Influenza, and Catarrh.....	3
2	..	2	..	..	..	..	..	1	..	..	..	13	16	Pleurisy & Pneumonia.	..
2	4	13	..	2	..	..	..	1	1	..	3	74	85	Skin Disease.....	..
2	..	11	..	2	3	2	2	2	2	5	4	67	62	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Atrophy and Anæmia..	1
9	7	68	2	1	6	4	3	22	3	40	41	724	734	Accidents and diseases not classified.....	31
4	21	169	13	21	13	21	14	54	19	63	74	1449	1405	.... TOTAL	61

oid, removed to Fever Ward. ** 2 Typhus, 1 Typhoid, and 3 Febricula. ++ 1 Typhus removed to Workhouse.

btained for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiptle.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..	..	3
Measles .....	..	..	..	2	..	..	..	..	..	..	..	2	7
Whooping-cough	2	..	..	1	..	1	..	..	..	..	2	6	1
Scarlatina .....	..	2	..	..	..	1	..	..	..	..	..	3	14
Diarrhœa	3	3	2	5	3	7	6	3	3	7	2	44	17
Fever	1	1	e10	..	e1	1	..	3	..	g3	..	20	13
Diseases of the Lungs ..	15	5	4	4	1	7	3	1	3	9	3	55	35
Other causes	a24	b18	d26	e14	f8	f8	13	10	4	13	8	146	183
TOTAL NO. OF DEATHS.	45	29	42	26	13	25	22	17	10	32	15	276	273
TOTAL NO. OF BIRTHS.	36	38	14	15	16	30	29	35	36	44	23	316	327

a 12 Inquests. b 6 Inquests. c Typhus. d 1 English Cholera. e 3 Inquests. f 1 Inquest. g 2 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL.	DISEASE.	4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL
14	36	15	65	.....Small-pox.....	56	48	25	129
9	14	14	37	.....Chicken-pox.....	3	3	4	10
20	29	49	98	.....Measles.....	35	55	40	130
17	33	35	85	.....Scarlatina.....	29	17	39	85
3	3	5	11	.....Diphtheria.....	..	3	..	3
61	59	27	147	....Whooping-cough....	30	42	51	123
11	3	2	16	.....Croup.....	..	1	1	2
480	997	1215	2692	.....Diarrhœa.....	115	335	706	1156
5	18	14	37	.....Dysentery.....	11	21	43	75
..	..	..	..	.....Cholera.....	..	..	..	..
19	27	23	69	.....Erysipelas.....	23	22	14	59
..	..	..	..	....Puerperal Fever....	..	..	..	..
13	16	18	47	.....Insanity.....	26	67	46	139
740	684	381	1805	..Bronchitis and Catarrh..	639	613	426	1678
12	10	8	30	.....Pleurisy.....	72	81	37	190
16	14	13	43	.....Pneumonia.....	..	..	..	..
4	3	6	18	.....Carbuncle.....	..	..	..	..
3689	4780	3916	12385	{ Accidents, and all other Diseases. }	4379	5149	4490	14018
5113	6731	5741	17585	..... TOTAL	5418	6457	5922	17797

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN SEPTEMBER.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington- L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.		Wet Days.							
Royton	0.715	.....	4						
Old Trafford..	0.666	.....	3						
Castleton Moor	0.652	.....	3						
Penketh	0.586	.....	3						
Eccles.....	0.572	.....	2						
Height of barometer cistern above sea level.....				130 ft.	123 ft	118ft.	522 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....				30.270	30.272	30.287	30.283	30.282	30.272
Highest.....				30.392	30.454	30.511	30.009	30.574	30.096
Lowest				30.045	30.047	30.081	29.600	30.145	29.672
Range				0.347	0.407	0.430	0.409	0.429	0.424
Temperature.									
Adopted Mean				57.2	57.4	57.0	55.9	56.3	55.4
Range for Week				28.8	40.6	40.1	42.7	42.8	36.9
Daily Range.....				16.9	28.7	20.7	23.0	25.2	19.5
Maximum in Shade				76.0	81.8	82.6	81.7	82.0	76.9
Minimum in Shade				47.2	41.2	42.5	39.0	39.2	40.0
Temperature of Dew Point				52.6	50.5	49.3	50.3	49.7	49.8
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....				0.840	0.778	0.750	0.825	0.780	0.815
Prevailing Winds .....				.....	SE,SW	NE	SE,NE	SE,ESE	SE,NE
Rain .....				.....	0.000	0.000	0.000	0.000	0.000
Ozonometer.									
Moffat .....				.....	0.000	0.43	.....	.....	.....
Schonbein.....				.....	0.00	.....	2.30	0.90	.....

September 30, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, OCTOBER 7, 1865. No. 271.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 7th inst., 1,579 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford.

Continued Fever, to which we have repeatedly directed attention in our late returns, is still on the increase,—no fewer than 131 cases were seen during the week. In no preceding week since the first commencement of our returns in August, 1860, has so much fever been observed in the town. A large proportion of the cases, likewise, are examples of true contagious Typhus; we are probably under the mark in stating that half the 131 seizures to which we have alluded belonged to this form of the disease. Mr. Edward Meacham refers to 6 cases of Typhus which came under his observation at No. 12, Abbott Street, Rochdale Road; he remarks that within ten weeks 7 cases of Typhus occurred in this house; 2 died at home and 1 in the Hospital. He has warned the people to get out of this plague-house. It is in a very bad sanitary state. The smell from the fever faecal deposit was unbearable when he went to visit the last case on Saturday. There was another case in a neighbouring street distinctly traceable to this dreadful dwelling. Surely no time ought to be lost in thoroughly purifying and cleansing such a plague-nest as this. It is, we feel persuaded, only necessary that the attention of the authorities should be directed to the danger of such places in order that vigorous measures may be adopted for their removal.

Whooping Cough still continues very general, and carried off in public practice alone 3 children.

None of the remaining zymotic diseases occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 248 deaths were registered in the eleven districts of the Sanitary Association. Fifty-six of the number are ascribed to Diarrhœa; in the corresponding week of last year this disease proved fatal to only 16 persons. Fever carried off 14 more, and Whooping Cough 13.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 56·5°, at the Royal Infirmary it was 57·1°, and at Eccles 56·6°. Thus the weather here was quite as warm as in the neighbourhood of London.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, Pall Mall, Manchester.

MANCHESTER AND SAL

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox	1	1	..	..	..	..	..	1
Chicken-pox
Measles
Scarlatina	1	1	1	..
Diphtheria
Whooping-cough	1	1	..	..	1	3	..	..	3	..	..	..	6	12
Croup
Diarrhœa.....	1	..	1	2	..	..	5	..	1	..	14	19
Dysentery
Continued Fever.....	*5	..	†9	‡2	§1	||7	24	23	¶10	..	**4	††2	**1	8	..
Erysipelas	1	..	..	1	..	..	..
Rheumatism	2	..	..	..	2	13	3	24	1	..	..	..	4
Neuralgic Affections	2	1	..	3	..	2	7	1	..	..	..	2
Constitutional Syphilis	1	1	8	..	16	..	..	..	1	2
Phthisis	1	2	3	5	1	31	2	1	3	4	1
Insanity	5	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	..	1	2	2	10	8	..	36	4	2	1	2	9
Pleurisy and Pneumonia.....	..	1	..	..	..	..	1	..	..	5	..	..	..	..	2
Skin Diseases.....	10	..	16	..	..	..	4	26
Dyspepsia	1	..	1	..	..	26	..	..	1	2	10
Atrophy and Anæmia.
Accidents and diseases not classified.....	25	8	17	8	5	6	69	82	46	226	5	5	3	45	15
TOTAL	30	15	29	14	11	20	119	155	64	395	17	13	10	87	103

* 2 Typhoid. + 6 Typhus. ‡ Removed to Workhouse. § Febricula. || 3 Typhus, removed to Hospital.
¶ 7 Typhus, removed to Workhouse.

Medical Officers to whom the Associates

- | | | | |
|-----------------------|------------------------|---------------------------|-------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) { | (13) Mr. H. RUNO |
| (2) „ J. BROADBENT, | (6) Dr. LEDWARD, | (10) } Mr. THOMAS LEEDS, | (14) Dr. WHITEH |
| (3) „ EDWARD MEACHAM, | (7) Mr. A. PHILIPPS, | (11) } „ W. H. SUTCLIFFE, | (15) „ J. OGDEN |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEF, | (12) } „ GEORGE CLEMENTS, | (16) Mr. J. TEALE |

SANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 7th day of October, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK.	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477			646		508	2650				Area in Statute Acres.		
70,967				68,209			44,850		21739	24,448				Population in 1861.		
ORLAW STRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancells Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
17	18	19	20	21	22	23	24	25	26	27	28					
..	1	..	..	..	..	..	..	..	1	..	..	5	3	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
1	1	2	..	..	..	..	..	..	..	..	1	5	23	Measles .....	..
1	..	2	..	2	..	..	..	1	..	2	..	12	12	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	1	4	..	4	..	..	9	42	2	Whooping-cough	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
1	1	6	4	1	1	2	..	12	2	2	2	87	50	Diarrhoea	2	
..	..	3	..	..	..	..	..	..	..	..	..	4	6	Dysentery .....	..
5	*10	++18	..	§§8	6	2	1	2	3	*2	††2	131	45	Continued Fever	5	
1	..	1	..	..	..	..	..	1	..	..	..	5	16	Erysipelas .....	..
..	1	8	..	..	..	..	1	4	1	5	4	73	87	Rheumatism .....	..
..	..	3	..	..	..	..	..	1	..	..	..	19	20	Neuralgic Affections ..	..
..	..	9	..	..	..	..	..	1	2	..	4	47	35	Constitutional Syphilis	..
2	1	10	..	1	..	1	1	1	..	2	1	73	70	Phthisis	8	
..	2	..	..	..	..	..	..	..	1	..	..	8	12	Insanity .....	..
4	1	19	2	3	4	3	3	6	2	9	12	150	159	Bronchitis, Influenza, and Catarrh.....	1	
1	1	..	..	..	..	..	..	1	..	..	1	12	11	Pleurisy & Pneumonia.	1
..	2	9	..	..	..	..	..	1	1	..	14	87	63	Skin Disease.....	..
1	..	4	1	1	1	2	3	..	1	4	4	67	54	Dyspepsia .....	..
..	..	..	..	..	..	..	..	2	..	..	..	2	..	Atrophy and Anæmia..	..
11	10	92	3	4	6	3	7	22	4	43	36	750	680	Accidents and diseases not classified.....	36	
28	31	186	10	20	19	17	16	59	18	69	90	1579	1349	.... TOTAL	56

3 Typhus, 1 Typhoid, and 1 Febricula.

** Typhus.

++ 1 Typhus and 1 Typhoid.

†† 8 Typhus and 1 Typhoid.

Indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tiplie.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	1	..	..	..	..	..	..	..	..	1	3
Measles .....	..	..	..	..	..	1	..	1	..	..	..	2	5
Whooping-cough.....	4	2	1	1	..	1	..	..	1	2	1	13	2
Scarlatina	1	..	..	..	..	..	..	..	..	..	1	2	7
Diarrhoea	10	5	3	4	1	5	6	3	6	13	..	56	16
Fever	2	..	a4	..	..	a1	a4	a1	d1	a1	..	14	14
Diseases of the Lungs ..	12	4	4	4	..	6	1	..	8	11	2	52	35
Other causes.....	10	19	16	66	9	4	11	6	12	9	6	168	108
TOTAL NO. OF DEATHS.	39	30	29	15	10	18	22	11	28	36	10	248	190
TOTAL NO. OF BIRTHS.	42	47	19	24	17	28	27	13	21	59	14	311	244

a Typhus. b 1 Inquest. c 3 Typhus and 1 Typhoid. d Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL.	DISEASE.	4 Weeks ending 27th May.	5 Weeks ending 1st July.	4 Weeks ending 29th July	TOTAL
14	36	15	65	.....Small-pox.....	56	48	25	129
9	14	14	37	.....Chicken-pox.....	3	3	4	10
20	29	49	98	.....Measles.....	35	55	40	130
17	33	35	85	.....Scarlatina.....	29	17	39	85
3	3	5	11	.....Diphtheria.....	..	3	..	3
61	59	27	147	....Whooping-cough....	30	42	51	123
11	3	2	16	.....Croup.....	..	1	1	2
480	997	1215	2692	.....Diarrhoea.....	115	335	706	1156
5	18	14	37	.....Dysentery.....	11	21	43	75
..	..	..	..	.....Cholera.....	..	..	..	..
19	27	23	69	.....Erysipelas.....	23	22	14	59
..	..	..	..	....Puerperal Fever....	..	..	..	..
13	16	18	47	.....Insanity.....	26	67	46	139
740	684	381	1805	..Bronchitis and Catarrh..	639	613	426	1678
12	10	8	30	.....Pleurisy.....	72	81	37	190
16	14	13	43	.....Pneumonia.....	..	..	..	..
4	3	6	18	.....Carbuncle.....	..	..	..	..
3689	4780	3916	12385	{ Accidents, and all other Diseases. }	4379	5149	4490	14018
5113	6731	5741	17585	..... TOTAL	5418	6457	5922	17797

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN SEPTEMBER.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.							
Royton	0.715	.....					
Old Trafford..	0.666	.....					
Castleton Moor	0.652	.....	3	3	3	3	3	3
Penketh	0.586	.....	3	3	3	3	3	3
Eccles.....	0.572	.....	2	2	2	2	2	2
Height of barometer cistern above sea level.....			130 ft.	123 ft.	118 ft.	522 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level.....			30.039	30.081	30.075	30.058	30.066	30.064
Highest.....	Unreduced {	.....	30.178	30.202	30.219	29.735	30.278	29.844
Lowest .....		.....	29.720	29.687	29.757	29.282	29.804	29.370
Range			0.458	0.515	0.462	0.453	0.474	0.474
Temperature.								
Adopted Mean			57.1	55.7	56.6	55.8	54.7	55.1
Range for Week			24.2	31.7	31.0	32.7	37.0	26.5
Daily Range.....			15.5	22.4	22.0	17.8	28.1	16.1
Maximum in Shade			70.4	71.7	70.0	70.0	71.2	67.5
Minimum in Shade			46.2	40.0	39.0	39.3	34.2	41.0
Temperature of Dew Point			52.0	49.1	48.6	47.9	47.3	47.3
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000).....			0.846	0.893	0.790	0.745	0.750	0.750
Prevailing Winds .....			.....	NE	NE	NE	ESE, E	NE
Rain .....			.....	0.000	0.000	0.000	0.000	0.000
Ozonometer.								
Moffat .....			.....	0.000	0.43	.....	.....	.....
Schonbein.....			.....	.....	.....	0.30	0.26	.....

October 7, 1865.

JOHN HEAP, Royton, Oldham

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, OCTOBER 14, 1865. No. 272.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, October 14th, 1,611 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the corresponding week of last year the number did not exceed 1,323.

The most alarming feature in connection with the present return is the increasing prevalence of Continued Fever—no fewer than 134 new cases were returned,—a slight increase on the already excessive total recorded in our preceding report. So far as we are enabled to form an estimate about half the patients suffered from true Typhus or Typhoid. At the Manchester Workhouse 21 persons were admitted; at the Chorlton 17 (of which 13 were Typhus and 4 Typhoid); and at the Salford 9. No fewer than 12 were seen in St. George's District, Hulme. It is well that the public should be informed that Manchester is at present suffering from a severe epidemic of Typhus Fever, and, unless very decided steps are taken to check the evil, there is reason to fear that the disease may prevail here during the ensuing winter to as fatal an extent as it did in Greenock last autumn. Typhus Fever is a disease of surpassing importance to society at large, inasmuch as its ravages fall most heavily on adults,—not on the children but the parents, those in fact who support the family. It were well if a few special reception-houses were opened in various quarters of the town, where all sufferers from fever would be admitted. Care should also be taken that those houses in which the disease has spread are closed, at least for a time, and thoroughly purified. One of the contributors to our return (Mr. Meacham) referred lately to a single house in which 7 cases of Typhus occurred, of which 3 proved fatal.

As might have been anticipated from the change in the temperature, we observe a considerable increase in the diseases connected with the respiratory organs.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 275 deaths were registered in the eleven districts of the Sanitary Association; in the preceding week the number did not exceed 248, and in the corresponding one of last year 185. No fewer than 34 of these deaths were due to fever.

In this high fever death rate we possess the most certain evidence that the great majority of the cases referred to in the disease portion of our return are examples of true Typhus and Typhoid Fever.

There is a considerable decrease in the number of deaths from Diarrhœa, the respective numbers for the two last weeks being 56 and 37.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 55.3°; at Old Trafford and the Royal Infirmary it was 55.7°. It thus appears that the weather here was quite as warm as in the neighbourhood of London.

In the course of the night of Monday, the 9th inst., Mr. Mackereth measured no less than 2¼ inches of rain at Eccles.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS

New Cases of Disease coming under Treatment in 1861

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	" " 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN		
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	
Small-pox .....	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	1	1	..	..	..	..	1	..	1	..	
Scarlatina .....	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	1	1	..	2	..	..	..	..	..	..	1	11	
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	2	3	..	1	..	6	12	3	..	..	..	..	..	11	20	
Dysentery	1	..	..	..	..	..	1	..	..	..	..	..	..	2	..	
Continued Fever.....	*5	..	3	1	†3	2	14	21	5	..	†3	||2	5	8	..	
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rheumatism	1	..	..	..	..	..	1	10	3	12	1	..	1	1	..	
Neuralgic Affections .....	..	..	..	1	..	..	1	..	2	6	..	..	..	..	1	
Constitutional Syphilis .....	..	..	..	..	..	1	1	5	..	10	..	..	1	..	1	
Phthisis .....	..	1	2	..	1	1	5	6	..	18	2	5	3	1	2	
Insanity .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	1	8	3	4	..	8	24	9	..	40	6	4	1	6	15	
Pleurisy and Pneumonia....	2	..	..	2	..	..	4	2	..	..	1	..	..	..	..
Skin Diseases.....	1	..	..	..	..	..	1	11	..	11	..	..	..	5	15	
Dyspepsia .....	..	..	..	..	..	1	1	..	..	19	..	..	..	4	12	
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	18	4	15	5	2	15	59	47	43	265	3	7	17	28	22	
TOTAL	31	16	23	16	7	35	128	116	54	382	16	20	29	68	99	25

* Sent to Workhouse. + 1 Typhus, 1 Gastric, and 1 removed to Workhouse. † Typhus.
** Typhus. 10 removed to Workhouse. †† 2 Removed to Workhouse.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. A. PHILIPPS,
(8) Dr. GEORGE REEF,

(9) } Mr. THOMAS LEEDS,
(10) } „ W. H. SUTCLIFFE,
(11) } „ „
(12) } „ GEORGE CLEMENTS,

(13) Mr. H. RUNCOO,
(14) Dr. WHITEHEAD,
(15) „ J. OGDEN,
(16) Mr. J. TEALE,

SANITARY ASSOCIATION.

IONS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 14th day of October, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.			Area in Statute Acres. Population in 1861.		DEATHS.
... 1,329 .....				... 477 .....			... 646 ...		508.	... 2650 .....			... 24,448		
... 70,967. ....				... 68,209. ...			... 44,850 ..		21739	... 24,448					
ORLAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work- house.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	3	3	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Chicken-pox .....	..
..	5	3	..	..	..	..	..	2	..	1	..	14	11	Measles .....	..
..	..	6	..	..	..	1	..	3	1	..	..	13	24	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	3	..	..	1	++9	..	..	..	1	..	28	..	Whooping-cough ....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
1	..	3	3	1	1	2	..	8	2	2	4	81	38	Diarrhoea	3
..	..	2	..	..	..	..	..	..	..	..	1	6	5	Dysentery .....	..
16	+9	7	..	**12	++7	6	..	..	3	§§4	|||17	134	93	Continued Fever	11
1	..	2	..	2	..	..	1	1	..	..	2	9	4	Erysipelas .....	..
..	..	6	2	..	..	1	2	2	1	4	2	51	62	Rheumatism .....	..
2	..	3	..	..	..	..	..	2	..	..	..	18	15	Neuralgic Affections ..	..
..	..	5	..	..	..	..	..	1	2	1	5	32	35	Constitutional Syphilis	..
1	3	9	..	1	..	1	..	..	..	3	4	67	57	Phthisis	5
..	2	..	..	..	..	..	..	..	1	..	..	5	14	Insanity	1
2	..	20	4	2	3	3	4	8	5	11	18	192	182	Bronchitis, Influenza, and Catarrh.....	5
1	1	..	..	1	..	..	..	1	..	1	..	12	20	Pleurisy & Pneumonia.	4
..	4	3	..	..	..	1	..	1	1	..	15	71	54	Skin Disease.....	..
3	..	11	..	..	3	2	3	3	2	5	4	77	55	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Atrophy and Anæmia..	..
14	7	97	2	3	3	2	4	50	2	39	71	798	649	Accidents and diseases not classified.....	22
31	31	180	11	22	18	28	14	82	20	72	143	1611	1323	.... TOTAL	53

case of Confluent Small Pox.
in one house. 1 Typhoid.

1 Typhus and 1 Typhoid.
13 Typhus and 4 Typhoid.

5 Typhus and 1 Typhoid.

Debited for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowet.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	1	1	..	..	..	..	..	..	1	..	3	..
Measles .....	..	1	..	1	..	..	..	2	..	..	1	5	6
Whooping-cough.....	4	3	..	1	..	..	..	2	2	2	1	15	2
Scarlatina .....	..	..	..	..	..	1	2	2	2	..	..	7	12
Diarrhœa	4	3	3	2	2	1	8	2	5	5	..	37	12
Fever	4	2	a7	4	b4	c2	b5	2	e1	f3	..	34	14
Diseases of the Lungs ..	10	4	6	7	1	..	..	2	2	14	1	47	42
Other causes.....	10	11	20	5	11	9	d15	d8	18	15	5	127	97
TOTAL NO. OF DEATHS.	32	25	37	20	18	13	30	20	30	40	10	275	185
TOTAL NO. OF BIRTHS.	30	33	6	20	14	25	15	31	37	53	19	283	304

a Typhus. b 3 Typhus. c 1 Typhus and 1 Typhoid. d 1 Inquest. e Gastric. f 2 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 29th July.	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	TOTAL.	DISEASE.	4 Weeks ending 29th July	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	TOTAL
15	9	18	42	.....Small-pox.....	25	8	10	43
14	13	15	42	..... Chicken-pox	4	..	2	6
49	79	72	200	..... Measles	40	36	24	100
35	53	38	126	.....Scarlatina.....	39	35	40	114
5	6	2	13	..... Diphtheria.....	..	..	1	1
27	64	43	134	.... Whooping-cough	51	60	155	266
2	2	4	8	.....Croup.....	1	1	3	5
1215	1093	878	3186	.....Diarrhœa.....	706	616	509	1831
14	11	1	26	.....Dysentery.....	43	14	21	78
..	..	..	..	..... Cholera .....	..	..	..	..
23	32	26	81	.....Erysipelas.....	14	22	33	69
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
18	13	17	48	..... Insanity	46	33	54	133
381	517	614	1512	..Bronchitis and Catarrh..	426	409	615	1450
8	13	14	35	..... Pleurisy	37	46	41	124
13	14	11	38	..... Pneumonia .....	..	..	..	..
6	7	10	23	.....Carbuncle.....	..	..	..	..
3916	3722	4313	11951	{ Accidents, and all other Diseases. }	4490	4101	5626	14217
5741	5648	6076	17465	..... TOTAL	5922	5381	7134	18437

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN SEPTEMBER.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Eccles, T.MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.						
Royton	0.715	4						
Old Trafford..	0.666	3						
Castleton Moor	0.652	3						
Penketh	0.586	3						
Eccles.....	0.572	2						
Height of barometer cistern above sea level.....			130 ft.	123 ft	118ft.	522 ft.	44 ft.	475 ft.
Barometer.								
Mean @ 32° F., and reduced to sea level.....			INS. 29.500	INS. 29.504	INS. 29.499	INS. 29.499	INS. 29.497	INS. 29.490
Highest.....			29.950	29.868	29.907	29.410	29.956	29.500
Lowest			29.156	29.160	29.169	28.710	29.252	28.800
Range			0.794	0.708	0.738	0.700	0.704	0.700
Temperature.								
Adopted Mean			55.7	55.7	55.1	53.1	54.8	52.9
Range for Week			21.4	20.2	20.2	25.0	21.5	20.3
Daily Range.....			10.1	8.4	7.4	9.2	9.6	9.1
Maximum in Shade			65.3	68.0	66.5	67.0	65.9	65.7
Minimum in Shade			43.9	47.8	46.3	42.0	44.4	45.4
Temperature of Dew Point			48.5	50.7	50.0	49.3	50.0	49.1
Hygrometrical condition of the Atmosphere								
Degree of Humidity (Saturation—1,000).....			GRS. 0.810	GRS. 0.841	GRS. 0.835	GRS. 0.866	GRS. 0.836	GRS. 0.876
Prevailing Winds .....			.....	NE	S,NE	NE	NE	NE,E
Rain .....			.....	3.024	2.846	3.260	1.011	3.384
Ozonometer.								
Moffat .....			.....	0.00	0.00	.....	.....	.....
Schonbein.....			.....	0.06	.....	0.00	0.00	.....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, OCTOBER 21, 1865. No. 273.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, 21st inst., 1,448 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,579 and 1,611.

Continued Fever is still very general; 116 new cases were recorded in the course of the week, of which fully one-half were due to Typhus and Typhoid. No fewer than 18 deaths were ascribed to this disease in public practice alone. It would appear that about two-thirds of the seizures from fever occur among the poorest classes of the population, those who are dependent upon charity for medical treatment. It is to be hoped that no effort will be spared which has for its object the complete isolation of all fever cases; and, whenever practicable, their removal to fever hospitals. The bitter experience of Liverpool and Greenock during last winter ought to warn all those who are interested in the preservation of the public health that, if fever is to be checked, the evil must be grappled with in its own congenial haunts,—among our courts and alleys—in places where there is no *through* circulation of air.

Diarrhoea and Dysentery appear to be on the decrease; last week there were 63 cases, in the two weeks which preceded 91 and 87.

At the Salford Dispensary 5 cases of Scarlet Fever were observed, and at that of Chorlton 5 more.

None of the remaining zymotic diseases occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 299 deaths were registered in the eleven districts of the Sanitary Association; in the two preceding weeks the respective numbers were 248 and 275.

We observe a considerable increase in the mortality arising from Diseases of the Lungs; in our last return 47 deaths were ascribed to diseases of this order, in the present 71.

Fever, under its various forms, carried off 29 persons; in the corresponding week of last year only 14. Nine more deaths were ascribed to Scarlet Fever and 7 to Measles.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46.8° ; at the Royal Infirmary it was 46.0° at Eccles 45.8° ; and at Old Trafford 44.4° . In the neighbourhood of London upwards of two inches of rain were measured, at these stations only about half an inch.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment in 1861

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								" " 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	+2	..	..	2	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	4	4	..	..	1	..	..	..	4	6
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	..	..	1	1	1	2	5	..	..	2	..	..	1	11	15
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	a6	1	*4	..	+7	4	22	19	..	4	‡5	||4	¶6	8	..
Erysipelas .....	..	..	..	..	..	1	1	..	1	..	..	..	..	1	..
Rheumatism .....	..	1	..	..	..	1	2	..	3	3	1	..	2	..	5
Neuralgic Affections .....	..	..	..	..	..	..	..	..	..	3	..	..	..	..	2
Constitutional Syphilis .....	..	..	..	..	..	..	..	5	..	9	..	..	..	..	..
Phthisis .....	..	..	..	..	2	1	3	6	..	10	1	3	2	..	4
Insanity	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	3	..	2	1	1	9	8	..	42	1	1	3	..	15
Pleurisy and Pneumonia....	..	..	..	..	1	..	1	..	..	1	..	..	1	..	1
Skin Diseases.....	..	..	..	..	..	..	..	18	..	9	..	..	..	6	14
Dyspepsia .....	..	..	..	..	..	..	..	..	..	7	..	..	1	1	5
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not } classified.....	21	4	10	4	7	13	59	102	42	223	2	12	8	41	25
TOTAL	30	9	15	9	19	27	109	159	46	314	10	20	24	73	93

a 2 Typhus, 3 removed to Workhouse. * 2 Typhus. + Modified. ‡ 4 Typhus removed to Workhouse.
¶ 4 Typhus removed to Workhouse. ** 2 Typhus removed to Workhouse.

Medical Officers to whom the Association are indebted for their assistance

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. THOMAS LEEDS,	(13) Mr. H. RUNCO
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITEHEAD
(3) „ EDWARD MEACHAM,	(7) Mr. A. PHILIPPS,	(11) „ GEORGE CLEMENTS,	(15) „ J. OGDEN
(4) Dr. BRADDON	(8) Dr. GEORGE REED,	(12) „	(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 21st day of October, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.					
1,329				477.			646. ...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448			Population in 1861.		
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anccats Dispensary.	Chorlton Union Work- house.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	2	12	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Chicken-pox .....	..
..	2	..	..	..	..	..	..	..	1	..	..	4	15	Measles .....	..
..	..	5	..	1	..	..	1	5	..	2	..	14	20	Scarlatina	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	3	..	4	..	2	2	26	4	Whooping-cough	1
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Croup .....	..
..	..	3	2	3	3	..	..	2	3	..	2	61	34	Diarrhoea	2
..	..	..	..	..	..	..	..	1	..	..	1	2	1	Dysentery .....	..
3	++3	8	..	++7	2	++4	..	4	..	++4	++10	116	67	Continued Fever	18
..	..	..	..	..	..	..	..	1	..	..	..	4	7	Erysipelas .....	..
2	..	6	2	..	1	..	..	2	1	5	3	40	79	Rheumatism .....	..
..	..	3	..	..	..	..	..	1	..	..	..	9	25	Neuralgic Affections ..	..
..	1	6	..	..	..	..	..	1	2	..	2	28	40	Constitutional Syphilis	2
..	2	11	..	..	1	1	3	1	1	2	1	53	57	Phthisis	7
..	..	..	..	..	..	..	1	..	..	..	..	3	13	Insanity .....	..
2	1	26	3	6	1	3	6	12	3	15	5	168	183	Bronchitis, Influenza, and Catarrh.....	3
..	..	..	..	..	..	..	..	2	1	..	..	7	21	Pleurisy & Pneumonia.	1
..	6	10	..	..	..	..	3	1	1	..	3	72	71	Skin Disease.....	..
3	..	12	..	2	4	..	..	5	3	6	1	54	59	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Atrophy and Anæmia..	1
13	4	85	1	2	9	4	10	33	4	42	55	783	650	Accidents and diseases not classified.....	23
23	19	175	8	21	21	15	24	76	20	78	85	1448	1359	.... TOTAL	61

Typhus removed to Workhouse. || 2 Typhus and 2 Typhoid, 3 removed to Workhouse.
Typhus. ++ 1 Typhus removed to Workhouse. ?? Typhoid

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,	(21) Mr. JOHN SMITH,	(25) Mr. JOHN RAYNER,
(18) Mr. M. O. LARMUTH,	(22) Dr. ALEX. WILSON,	(26) „ J.V.L.WESTMACOTT,
(19) „ J. O. BRADBURY,	(23) Mr. H. M. WILLIAMSON.	(27) „ JAMES SHACKLETON,
(20) „ W. B. STOTT,	(24) „ JOSEPH FOSTER,	(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Choriton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	..	..	..	..	..	3	..	..	1	7	2
Measles .....	..	..	..	..	..	..	2	1	..	..	..	14	4
Whooping-cough.....	6	2	..	3	1	1	..	1	..	..	..	9	2
Scarlatina	1	..	..	..	..	2	1	1	1	1	2	38	15
Diarrhoea	7	5	1	3	1	7	3	2	1	4	4	29	10
Fever .....	..	..	a11	a1	b2	c3	d3	3	b1	4	b1	71	14
Diseases of the Lungs	14	13	6	4	..	10	3	2	6	10	3	131	39
Other causes.....	13	17	21	6	11	9	14	8	5	21	6	191	105
TOTAL NO. OF DEATHS.	41	37	39	18	15	32	26	20	14	40	17	292	191
TOTAL NO. OF BIRTHS.	41	39	24	15	12	27	20	16	23	54	21	267	267

a Typhus. b 1 Typhoid. c 2 Typhus and 1 Typhoid. d 2 Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

1 Weeks ending 29th July.	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	TOTAL.	DISEASE.	4 Weeks ending 29th July	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	TOTAL
15	9	18	42	.....Small-pox.....	25	8	10	43
14	13	15	42	..... Chicken-pox	4	..	2	6
49	79	72	200	..... Measles	40	36	24	100
35	53	38	126	.....Scarlatina.....	39	35	40	114
5	6	2	13	..... Diphtheria.....	..	..	1	1
27	64	43	134	.... Whooping-cough	51	60	155	266
2	2	4	8	.....Croup.....	1	1	3	5
1215	1093	878	3186	.....Diarrhoea.....	706	616	509	1831
14	11	1	26	.....Dysentery.....	43	14	21	78
..	..	..	..	..... Cholera .....	..	..	..	..
23	32	26	81	.....Erysipelas.....	14	22	33	69
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
18	13	17	48	..... Insanity	46	33	54	133
381	517	614	1512	..Bronchitis and Catarrh..	426	409	615	1450
8	13	14	35	..... Pleurisy	37	46	41	124
13	14	11	38	..... Pneumonia .....	..	..	..	..
6	7	10	23	.....Carbuncle.....	..	..	..	..
3916	3722	4313	11951	{ Accidents, and all other Diseases. }	4490	4101	5626	14217
5741	5648	6076	17465	..... TOTAL	5922	5381	7134	18437

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN SEPTEMBER.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Royton	0.715	.....						
Old Trafford..	0.666	.....						
Castleton Moor	0.652	.....	3	3	3	3	3	3	3
Penketh	0.586	.....	3	3	3	3	3	3	3
Eccles.....	0.572	.....	2	2	2	2	2	2	2
Height of barometer cistern above sea level			130 ft.	123 ft	212 ft.	118 ft.	522 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.546	29.506	29.541	29.500	29.505	29.501	29.524
Highest.....			29.890	29.940	29.912	29.959	29.500	30.040	29.538
Lowest			29.050	29.078	29.018	29.113	28.630	29.166	28.708
Range			0.840	0.862	0.894	0.846	0.870	0.874	0.830
Temperature.									
Adopted Mean			46.0	44.4	45.9	45.8	45.0	46.3	45.3
Range for Week			20.1	28.0	26.4	26.9	30.7	27.0	29.8
Daily Range			10.0	15.4	14.9	12.8	13.0	14.0	11.5
Maximum in Shade			57.3	58.5	57.0	57.4	57.7	60.2	57.6
Minimum in Shade			37.2	30.5	30.6	30.5	27.0	33.2	27.8
Temperature of Dew Point			41.9	40.7	42.4	40.7	42.3	41.8	41.8
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.867	GRS. 0.872	GRS. 0.878	GRS. 0.830	GRS. 0.920	GRS. 0.853	GRS. 0.899
Prevailing Winds .....			.....	S,SW	NW	NW	NW	N,NW	NW
Rain .....			.....	0.596	0.434	0.434	0.625	0.405	0.606
Ozonometer.									
Moffat .....			.....	0.00	.....	0.57	.....	.....	.....
Schonbein.....			.....	0.00	.....	.....	0.30	0.30	.....

I have great pleasure in calling attention to a Return from Bowdon, which Mr. Joseph Thompson has kindly undertaken to furnish.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, OCTOBER 28, 1865. No. 274.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 28th of October, 1,486 new cases of disease and injuries occasioned by accidents occurred in the public practice of Manchester and Salford.

Under Continued Fever we observe a slight improvement; in our preceding return 116 new cases were recorded, in the present 106; upwards of half the number were due to Typhus and Typhoid. Seven cases of the former disease were observed in St. Peter's District, and 5 more among the patients of the Salford Dispensary. No fewer than 13 of the deaths observed in public practice were attributed to Fever.

Consumption and the remaining disorders of the respiratory organs proved unusually fatal among the poor. The heavy death-rate they occasioned is probably to be ascribed to the more trying weather of the last two or three weeks.

Not a single case of Small-pox was returned in the course of the week,—a satisfactory feature in the present return.

Whooping Cough still continues to gain ground, the respective number of cases for the three last weeks being 28, 26, and 35.

Diarrhœa and Dysentery are rapidly declining; in the middle of October nearly 100 cases were returned, last week only 56.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

In the week ending on Saturday 281 deaths were registered in the eleven districts of the Association, in the two which preceded the numbers were 275 and 299.

Last week, no less than this, the deaths in Manchester and Salford exceeded the births—the excess in favour of the former amounting to 19.

Fever under its various forms carried off 29 persons, and diarrhœa 21. In our preceding return 38 deaths were ascribed to the latter disorder.

Ten fatal cases of Scarlet Fever are returned, 4 of which were seen in Ancoats and 3 in Chorlton,

The deaths in London, according to the last return of the Registrar General, exhibit an excess over the estimated number of 158.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46.9° ; at Penketh, the warmest of the Stations in this neighbourhood, it was 44.2° ; at Eccles 43.4° ; and at Old Trafford 42.9° . Far more rain fell at Greenwich than in Manchester, no less than 2.20 inches being measured at the former station, while only 1.11 inches fell at Eccles, and 1.24 at Old Trafford.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861.....								,, ,, 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox
Chicken-pox
Measles	2	..	..	2	..	..	..	..	..	..	..	1
Scarlatina	2	..	2	..	..	..	..	..	..	1	..
Diphtheria
Whooping-cough	1	..	1	1	3	..	..	2	..	..	1	7	10
Croup
Diarrhoea.....	1	..	..	1	2	..	..	7	1	..	1	14	18
Dysentery
Continued Fever.....	a7	b3	c4	d3	b1	d4	22	23	e1	1	f2	g5	h5	5	..
Erysipelas	1	..	..	1	1	..	..	..	..	..	..	..
Rheumatism	2	..	..	..	..	2	15	1	13	2	3	4	1	5
Neuralgic Affections	6	1	1	..	..	3
Constitutional Syphilis	5	1	12	1	..	..	..	1
Phthisis	2	..	..	2	5	2	31	2	..	2	..	1
Insanity	1	1	..	..	2	5	..	..	..	..	..	..	1
Bronchitis, Influenza & Catarrh	4	4	..	2	3	1	14	15	..	42	..	5	2	7	14
Pleurisy and Pneumonia....	1	..	3	..	2	1	..	..
Skin Diseases.....	13	..	18	..	..	..	9	16
Dyspepsia	18	..	..	..	2	8
Atrophy and Anæmia.	2	..	..	..	..	..	..
Accidents and diseases not classified.....	20	9	8	6	2	12	57	69	47	251	2	8	9	40	12
TOTAL.....	31	18	15	17	9	19	109	152	54	404	11	24	25	86	90

a 1 Typhus, 5 removed to Workhouse. b 1 removed to Workhouse. c 3 Typhus. d 2 Typhus, removed to Workhouse.
i 5 Typhus, removed to Workhouse. j Typhus. k 5 Typhus.

Medical Officers to whom the Association are indebted for their assistance

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REED,
- (9) } Mr. THOMAS LEEDS,

(10) } „ W. H. SUTCLIFFE,

(11) } „ GEORGE CLEMENTS,

(12) }
- (13) Mr. H. RUNCO,

(14) Dr. WHITEHEAD,

(15) „ J. OGDEN,

(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 28th day of October, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						
1,329				477.....			646...		508.	2650.....			Area in Statute Acres.			
70,967.				68,209. ...			44,850..		21739	24,448			Population in 1861.			
LAW TRACT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.		
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	..	25	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	4	Chicken-pox .....	..
..	1	..	..	..	..	..	..	..	..	..	..	4	15	Measles	1
1	..	..	..	..	..	..	1	1	1	..	..	7	17	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	..	6	..	2	1	3	..	35	7	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
..	..	..	1	..	..	..	..	6	1	..	1	56	45	Diarrhoea	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Dysentery .....	..
4	1	10	..	1	1	1	1	1	1	3	15	106	53	Continued Fever	13	
..	..	2	..	3	..	1	..	..	..	..	..	8	10	Erysipelas .....	..
3	..	4	1	..	..	..	2	1	..	4	1	63	89	Rheumatism .....	..
..	..	3	..	..	..	..	..	..	..	..	..	14	25	Neuralgic Affections ..	..
..	2	4	..	..	..	..	..	..	1	..	1	30	45	Constitutional Syphilis	..
1	..	13	..	..	..	..	1	1	1	3	3	69	62	Phthisis	9
..	..	..	..	..	..	..	..	..	..	..	..	8	13	Insanity .....	..
8	1	29	4	3	4	2	5	8	3	13	9	195	214	Bronchitis, Influenza, and Catarrh.....	9	
..	..	2	..	..	..	1	..	..	1	1	1	13	23	Pleurisy & Pneumonia.	1
..	1	11	..	..	..	..	..	1	..	..	4	78	75	Skin Disease.....	..
1	..	17	..	1	2	3	2	1	..	5	..	63	68	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	2	..	Atrophy and Anæmia..	..
6	7	87	2	..	3	2	6	26	10	37	49	735	656	Accidents and diseases not classified.....	36	
24	13	182	8	11	10	19	18	48	20	69	74	1486	1446	.... TOTAL	72

e Typhoid. f 1 Typhus and 1 Typhoid. g 2 Typhus and 2 Typhoid. h 3 Typhus and 2 Typhoid.
 i 4 Typhus and 1 Typhoid.

Debited for the annexed Returns.

(17) Dr. T. M. JOHNSON,
 (18) Mr. M. O. LARMUTH,
 (19) „ J. O. BRADBURY,
 (20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
 (22) Dr. ALEX. WILSON,
 (23) Mr. H. M. WILLIAMSON.
 (24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
 (26) „ J. V. L. WESTMACOTT,
 (27) „ JAMES SHACKLETON,
 (28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	1	..	..	..	..	..	..	..	..	..	1	5
Measles .....	..	..	..	..	..	..	1	1	..	1	..	3	4
Whooping-cough.....	2	1	..	3	..	1	..	..	2	2	3	14	1
Scarlatina	4	2	..	..	..	..	..	..	3	1	..	10	8
Diarrhoea	5	3	1	3	..	2	1	..	2	..	4	21	6
Fever .....	..	..	10	4	5	3	2	1	..	4	..	29	22
Diseases of the Lungs	11	7	3	6	4	6	4	..	6	15	3	65	58
Other causes.....	15	14	26	7	11	6	12	11	12	17	7	138	97
TOTAL NO. OF DEATHS.	37	28	40	23	20	18	20	13	25	40	17	281	201
TOTAL NO. OF BIRTHS.	20	39	13	28	18	25	27	11	20	47	21	269	296

a Typhus, Typhoid, and Continued. b 4 Typhus. c Typhus. d1 Inquest. e 1 Chronic, aged 60 years

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 29th July.	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	TOTAL.	DISEASE.	4 Weeks ending 29th July	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	TOTAL
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14	13	15	42 Chicken-pox	4	..	2	6
49	79	72	200 Measles	40	36	24	100
35	53	38	126Scarlatina.....	39	35	40	114
5	6	2	13	..... Diphtheria.....	..	..	1	1
27	64	43	134	.... Whooping-cough	51	60	155	266
2	2	4	8	.....Croup.....	1	1	3	5
1215	1093	878	3186	.....Diarrhoea.....	706	616	509	1831
14	11	1	26	.....Dysentery.....	43	14	21	78
..	..	..	..	..... Cholera .....	..	..	..	..
23	32	26	81	.....Erysipelas.....	14	22	33	69
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
18	13	17	48	..... Insanity	46	33	54	133
381	517	614	1512	.. Bronchitis and Catarrh..	426	409	615	1450
8	13	14	35	..... Pleurisy	37	46	41	124
13	14	11	38	..... Pneumonia .....	..	..	..	..
6	7	10	23	..... Carbuncle .....	..	..	..	..
3916	3722	4313	11951	{ Accidents, and all other Diseases. }	4490	4101	5626	14217
5741	5648	6076	17465	..... TOTAL	5922	5331	7134	18437

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN SEPTEMBER.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERRETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.								
Royton	0.715	.....	4							
Old Trafford..	0.666	.....	3							
Castleton Moor	0.652	.....	3							
Penketh	0.586	.....	3							
Eccles.....	0.572	.....	2							
Height of barometer cistern above sea level					123 ft		118ft.	522 ft.	44 ft.	475 ft.
Barometer.					INS.		INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level					29.396		29.405	29.458	29.456	29.462
Highest.....				Unreduced {	29.739		29.771	29.322	29.834	29.428
Lowest					28.822		28.835	28.378	28.904	28.454
Range					0.917		0.936	0.944	0.930	0.974
Temperature.										
Adopted Mean					42.9		43.4	42.9	44.2	42.1
Range for Week					28.2		26.0	28.2	32.8	25.4
Daily Range.....					16.6		14.6	15.1	16.6	13.5
Maximum in Shade					58.2		56.5	57.0	58.6	55.5
Minimum in Shade					30.0		30.5	28.8	25.8	30.1
Temperature of Dew Point					38.1		37.7	38.6	38.9	36.8
Hygrometrical condition of the Atmosphere.					GRS.		GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)					0.836		0.800	0.850	0.806	0.822
Prevailing Winds					NE, SE		NE, SE	NE, SE	SW, NW	NE, SW
Rain					1.247		1.114	1.975	1.161	1.978
Ozonometer.										
Moffat					0.71		1.71	.....	.....	.....
Schonbein.....					0.43		.....	.....	0.50	.....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, NOVEMBER 4, 1865. No. 275.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 4th inst., 1,615 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the numbers were 1,448 and 1,486.

No fewer than 121 cases of Continued Fever are recorded; 15 more than in the previous week. Fully half the number proved examples of the Typhus and Typhoid varieties of the disease. Whenever fever is prevalent the Manchester Workhouse receives the bulk of the sufferers. Last week no fewer than 21 Typhus cases were admitted into the fever wards of this Institution; 10 more were received at the Salford Workhouse, and 3 at the Royal Infirmary.

Under Measles we observe a very decided increase; in the previous week there were only 4 cases, last week 20. Of the 20 cases only 4 were seen in the township of Manchester.

Bronchitis and kindred affections of the chest are steadily gaining ground, the respective returns for the three last weeks amounting to 175, 208, and 233. The increased prevalence of diseases of this order at this season of the year, is nothing more than might have been anticipated.

No fewer than 42 cases of Constitutional Syphilis are recorded in the course of the week, and 3 deaths.

Whooping Cough still continues very general, and appears to be pretty generally diffused over Manchester, Hulme, and Chorlton. In Salford, however, not a single case was seen.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 296 deaths were registered in the eleven districts of the Association. In the corresponding week of last year the total did not exceed 195.

The Zymotic diseases, generally, proved at that time far less fatal than at present. Thus, in the early part of November, 1864, there were but 2 deaths from Whooping-cough, last week 19; so again Scarlet Fever at that time carried off 7, Fever 12, and Diarrhoea 5; while in this return they are respectively credited with 15, 24, and 15 deaths. One fatal case of Hydrophobia was registered in the St. George's District.

In London, according to the last return of the Registrar General, the deaths exceeded the average by 151.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 42.5°; at Old Trafford it was 41.3°; and at Eccles 41.8°.

Nearly an inch of rain fell in London, at these stations less than half an inch. It is satisfactory to observe that the weather of Manchester has, for some weeks been very much drier than that which has prevailed in the neighbourhood of London.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																
Area in Statute Acres	Manchester Township 1,645															
Population in 1861	,, ,, 185,050															
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.								
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN		
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.	
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	
Small-pox .....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	3	3	..	..	..	..	..	..	..	1	..
Scarlatina .....	..	1	..	..	2	..	3	..	..	..	..	..	2	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	2	..	..	1	5	7	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	1	..	..	..	..	1	..	..	2	..	..	..	14	11	..
Dysentery .....	..	1	..	..	..	1	2	..	..	..	..	..	..	..	..	..
Continued Fever.....	a2	4	b7	4	a3	..	20	21	c4	..	d5	..	e10	4	..	..
Erysipelas .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Rheumatism	2	4	1	..	..	1	8	8	3	27	..	1	1	..	3	..
Neuralgic Affections .....	..	..	..	..	..	..	..	..	1	4	..	i	..	..	..	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	8	..	9	1	..	..	..	3	..
Phthisis	1	2	..	..	..	..	3	9	3	18	1	2	2	1	3	..
Insanity .....	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	7	1	1	5	5	24	12	..	44	3	3	4	2	22	..
Pleurisy and Pneumonia.....	1	..	..	..	1	..	2	2	..	..	..	1	..	..	..	..
Skin Diseases.....	1	..	1	..	..	..	2	17	..	10	..	..	..	5	8	..
Dyspepsia .....	..	1	..	..	..	..	1	..	..	40	..	..	1	2	7	..
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	2	..	1	1	..	..	..
Accidents and diseases not classified.....	28	12	8	3	..	6	57	66	46	249	2	3	14	45	9	..
TOTAL	40	33	18	8	11	16	126	150	58	407	12	12	36	78	74	..

a 1 removed to Workhouse. b 3 Typhus. c Typhus. d 4 Typhus, removed to Workhouse.
e 1 Typhus and 3 Typhoid. f 2 removed to Workhouse.

Medical Officers to whom the Association are indebted for their services

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. A. PHILIPPS,

(8) Dr. GEORGE REEF,
- (9) „

(10) Mr. THOMAS LEEDS,

(11) „ W. H. SUTCLIFFE,

(12) „ GEORGE CLEMENTS,
- (13) Mr. H. RUNCO,

(14) Dr. WHITEHEAD,

(15) „ J. OGDEN,

(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.
 ek ending the 4th day of November, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.			Area in Statute Acres. Population in 1861.		DEATHS.
1,329				477.			646. ...		508.	2650.....					
70,967.				68,209. ...			44,850..		21739	24,448					
LAW TRACT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	1	..	..	..	..	..	..	..	..	..	..	2	11	Small-pox	1
..	..	..	..	..	..	..	..	..	..	..	..	..	4	Chicken-pox .....	..
..	2	5	..	1	..	..	1	3	..	4	..	20	16	Measles	1
..	..	2	..	2	..	..	1	3	..	..	..	13	14	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	..	..	..	2	2	..	2	4	3	2	30	5	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
2	..	2	..	..	1	..	1	3	1	..	3	45	44	Diarrhoea	6
..	..	1	1	..	..	..	..	..	..	..	..	5	3	Dysentery	1
g6	e10	e11	..	j5	k6	3	..	2	1	e3	e7	121	60	Continued Fever	10
..	..	4	..	2	..	..	..	1	1	..	..	9	11	Erysipelas	1
2	1	5	1	2	2	1	..	5	1	3	7	82	81	Rheumatism .....	..
..	..	2	..	..	..	..	..	2	..	..	..	10	15	Neuralgic Affections ..	..
..	1	6	..	1	..	..	1	1	2	1	6	42	46	Constitutional Syphilis	3
1	..	9	..	1	..	..	2	..	1	2	1	61	55	Phthisis	6
1	2	..	..	..	..	..	..	..	1	..	..	12	5	Insanity .....	..
5	1	28	3	7	4	3	9	12	4	14	11	221	208	Bronchitis, Influenza, and Catarrh.....	11
..	..	3	1	..	..	..	..	2	1	..	..	12	22	Pleurisy & Pneumonia.	2
2	5	4	..	..	2	..	..	1	..	..	4	60	56	Skin Disease.....	..
1	..	11	..	..	2	1	..	5	3	5	1	85	78	Dyspepsia .....	..
..	..	..	..	..	..	..	..	1	..	..	..	5	..	Atrophy and Anæmia..	..
2	3	90	3	2	3	3	10	48	2	33	68	780	679	Accidents and diseases not classified.....	16
2	26	188	9	23	22	13	25	91	22	68	110	1615	1414	.... TOTAL	61

us removed to Workhouse and, 1 Typhoid sent to Infirmary. f 2 Typhus, removed to Workhouse. g 5 Typhus.
 k 4 Typhoid, 3 removed to Workhouse.

bted for the annexed Returns.

- | | | |
|-----------------------|---------------------------|--------------------------|
| 7) Dr. T. M. JOHNSON, | (21) Mr. JOHN SMITH, | (25) Mr. JOHN RAYNER, |
| 8) Mr. M. O. LARMUTH, | (22) Dr. ALEX. WILSON, | (26) „ J.V.L.WESTMACOTT, |
| 9) „ J. O. BRADBURY, | (23) Mr. H. M.WILLIAMSON. | (27) „ JAMES SHACKLETON, |
| 0) „ W. B. STOTT, | (24) „ JOSEPH FOSTER, | (28) „ J. WATSON, |

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	..	..	..	..	..	..	..	..	..	..	5
Measles	1	2	1	..	..	4	..	..	..	..	..	8	4
Whooping-cough.....	5	2	..	5	..	1	1	..	1	1	3	19	2
Scarlatina	1	1	2	1	..	3	3	2	..	2	..	15	7
Diarrhœa	4	2	..	3	..	3	..	..	1	1	1	15	5
Fever	3	1	66	e2	e4	e2	g2	g1	..	2	g1	24	12
Diseases of the Lungs	14	6	5	d12	5	7	2	..	12	7	9	79	49
Other causes.....	6	a14	23	7	11	f5	h14	17	9	23	7	136	111
TOTAL NO. OF DEATHS.	34	28	37	30	20	25	22	20	23	36	21	296	195
TOTAL NO. OF BIRTHS.	42	33	14	21	18	31	22	21	34	52	35	323	300

<i>a</i> 1 Hydrophobia.	<i>b</i> 5 Typhus, and 1 Continued.	<i>c</i> Typhus.	<i>d</i> 10 Bronchitis.	<i>e</i> 1 Typhus and 2 Typhoid.
	<i>f</i> 1 Inquest.	<i>g</i> 1 Typhus.	<i>h</i> 3 Inquests.	

Monthly Return of New Cases of Disease coming under Treatment

*In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.*

*At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.*
Population in 1861, 390,815.

4 Weeks ending 29th July.	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	TOTAL.	DISEASE.	4 Weeks ending 29th July	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	TOTAL
15	9	18	42	.....Small-pox.....	25	8	10	43
14	13	15	42	.....Chicken-pox.....	4	..	2	6
49	79	72	200	.....Measles.....	40	36	24	100
35	53	38	126	.....Scarlatina.....	39	35	40	114
5	6	2	13	.....Diphtheria.....	..	..	1	1
27	64	43	134	....Whooping-cough....	51	60	155	266
2	2	4	8	.....Croup.....	1	1	3	5
1215	1093	878	3186	.....Diarrhœa.....	706	616	509	1831
14	11	1	26	.....Dysentery.....	43	14	21	78
..	..	..	..	.....Cholera.....	..	..	..	..
23	32	26	81	.....Erysipelas.....	14	22	33	69
..	..	..	..	....Puerperal Fever....	..	..	..	..
18	13	17	48	.....Insanity.....	46	33	54	133
381	517	614	1512	..Bronchitis and Catarrh..	426	409	615	1450
8	13	14	35	.....Pleurisy.....	37	46	41	124
13	14	11	38	.....Pneumonia.....				
6	7	10	23	.....Carbuncle.....	..	..	..	..
3916	3722	4313	11951	{ Accidents, and all other Diseases. }	4490	4101	5626	14217
5741	5648	6076	17465	.....TOTAL.....	5922	5381	7134	18437

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN OCTOBER.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
	Inches.	Wet Days.							
Castleton Moor	6.177	17							
Royton	6.085	20							
Old Trafford	5.005	20							
Eccles	4.550	22							
Bowdon	4.115	21							
Penketh	2.975	18							
Height of barometer cistern above sea level									
Barometer.									
Mean @ 32° F., and reduced to sea level			123 ft	130 ft.	118 ft.	522 ft.	44 ft.	475 ft.	
			INS.	INS.	INS.	INS.	INS.	INS.	
Highest			29.456	29.696	29.712	29.694	29.705	29.709	
Lowest			30.140	30.080	30.248	29.677	30.226	29.728	
Range			28.966	28.940	28.991	28.502	29.046	28.600	
			1.174	1.160	1.257	1.175	1.180	1.128	
Temperature.									
Adopted Mean			41.3	41.6	41.8	41.3	41.8	41.3	
Range for Week			24.2	21.9	22.6	22.8	24.4	20.6	
Daily Range			16.9	14.2	15.0	17.1	16.9	13.5	
Maximum in Shade			54.0	52.5	53.3	52.8	53.5	51.6	
Minimum in Shade			29.8	30.6	30.7	30.0	29.1	31.0	
Temperature of Dew Point			37.2	38.6	38.9	33.1	38.4	37.3	
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.862	GRS. 0.892	GRS. 0.904	GRS. 0.882	GRS. 0.885	GRS. 0.852	
Prevailing Winds			SE,NW	NW	NW,NE	NW,SW	NW,SW	SSW,NW	
Rain			0.357	0.428	0.408	0.480	0.845	0.460	
Ozonometer.									
Moffat			0.57	.....	0.14	.....	.....	.....
Schonbein			0.43	0.28	.....	3.40	2.50	.....

November 4, 1865.

JOHN HEAP, *Royton, Oldham.*

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, NOVEMBER 11, 1865. No. 276.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 11th inst., 1,530 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. At the same time the deaths among the lower portion of the population were remarkably numerous, amounting to 83, or 1 in 18. This proportion of deaths to cases is very much above the average.

It is painful to find that Continued Fever is still gaining ground, and it does not appear that those active measures which are imperatively required to set a check on its inroads have as yet been taken. In the course of the week there were no fewer than 139 cases, or 20 more than in the preceding week; upwards of half the number proved examples of true Typhus. Thirty-nine of them were admitted into the Manchester Workhouse, and 16 more came under the observation of Mr. John Smith, in the St. George's District, Hulme. Attention cannot be too often directed to the fact that Manchester is at present suffering from a wide-spread epidemic of Typhus Fever. At such times it is a mistake to suppose that the danger is exclusively confined to the crowded tenements of the poor. For weeks and months the disease may not pass beyond that locality, but it will gradually become worse and then prove a source of danger to all classes of the community. It would be much wiser to endeavour to meet the danger before it assumes really formidable proportions.

Small Pox contributed 12 cases to the return, 4 of them were seen at the Chorlton Dispensary.

Bronchitis and kindred affections of the chest are steadily gaining ground. A fortnight ago 208 cases were reported, last week 271.

Whooping Cough still continues very general, and appears to be on the increase.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 273 deaths were registered in the eleven districts of the Association. In the preceding week they were still more numerous, though in the corresponding one of last year they did not exceed 215.

The mortality from Diarrhoea is steadily diminishing, the respective numbers for the three last weeks being 21, 15 and 12.

From Fever there were 20 deaths, 16 of which were observed in public practice, in other words amongst the poorest classes of the population.

Measles and Scarlet Fever each proved fatal to 9 persons.

In London, according to the last return of the Registrar General, the deaths exceeded the average by 138.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 42·4°; at the Royal Infirmary 41·7°; at Eccles 41·0°; at Old Trafford 40·1°; and at Bowdon 38·5°.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, Pall Mall, Manchester.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS
New Cases of Disease coming under Treatment in

MANCHESTER.															
Area in Statute Acres		Manchester Township 1,645													
Population in 1861		" " 185,050													
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	1	1	1	2	1	..	..	f3	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	.	..	1
Measles .....	..	1	..	..	..	3	4	..	..	..	..	..	..	..	..
Scarlatina .....	..	1	1	..	..	..	2	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	2	..	..	..	1	..	3	..	..	1	..	..	..	5	9
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Diarrhœa.....	..	1	..	..	..	..	1	..	..	1	..	..	..	10	5
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Continued Fever.....	8	a1	b3	1	a2	1	16	39	d9	2	e4	a4	g4	8	..
Erysipelas .....	..	..	..	..	..	1	1	..	..	..	i	..	1	..	..
Rheumatism	4	1	..	..	..	1	6	21	5	10	1	2	2	..	2
Neuralgic Affections	1	..	..	..	..	..	1	..	2	1	..	..	..	..	3
Constitutional Syphilis .....	..	..	..	..	..	..	..	8	..	8	..	..	2	..	1
Phthisis .....	..	1	..	..	2	3	6	14	..	10	3	3	..	..	1
Insanity	1	..	..	..	..	..	1	3	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	2	2	4	3	6	6	23	26	..	36	4	4	7	4	27
Pleurisy and Pneumonia....	1	..	..	..	..	..	1	..	..	1	..	1	..	..	4
Skin Diseases.....	..	..	..	1	..	..	1	9	1	7	..	..	..	4	10
Dyspepsia .....	..	..	..	..	..	..	..	..	..	15	..	1	..	..	8
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Accidents and diseases not classified.....	20	4	15	8	c3	11	61	59	53	209	3	7	11	52	7
TOTAL	39	12	23	13	14	27	128	180	73	302	16	22	30	85	78

a 1 Typhus removed to Workhouse. b 1 Typhus. c 1 Hydrophobia. a 7 Typhus and 2 Typhoid.
h Typhus, removed to Workhouse. i Typhus. j 14 Typhus, 2 Febricula, 10 removed to Workhouse.

Medical Officers to whom the Association are indebted for their services.

- | | | | |
|-----------------------|------------------------|-------------------------|-------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. THOMAS LEEDS, | (13) Mr. H. RUNCO |
| (2) „ J. BROADBENT, | (6) Dr. LEDWARD, | (10) „ „ | (14) Dr. WHITEH. |
| (3) „ EDWARD MEACHAM, | (7) Mr. A. PHILIPPS, | (11) „ W. H. SUTCLIFFE, | (15) „ J. OGDEN |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEF, | (12) „ GEORGE CLEMENTS, | (16) Mr. J. TEALE |

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 11th day of November, 1865.

SALFORD.				HULME.			CHORLTON.		ARD-WICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477.			646. ...		508.	2650.....			Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448			Population in 1861.		
POOR LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											DISEASES.
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.		
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	4	..	..	..	12	18	Small-pox .....	..
..	..	..	..	..	..	..	..	2	..	..	..	3	1	Chicken-pox .....	..
1	2	6	..	..	..	..	..	..	1	3	..	17	15	Measles	1
..	..	..	..	..	..	..	2	2	..	..	..	6	23	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
3	..	2	..	..	..	1	..	4	2	3	6	39	6	Whooping-cough	1
..	..	..	..	..	..	..	..	..	1	..	..	2	1	Croup .....	..
1	..	2	2	1	2	..	..	1	4	..	3	37	23	Diarrhoea	1
..	..	..	..	..	..	..	1	1	1	1	..	5	2	Dysentery .....	..
4	15	7	..	16	4	3	1	2	1	2	4	139	72	Continued Fever	16
1	1	..	..	..	..	..	..	1	..	..	2	8	11	Erysipelas .....	..
2	1	6	..	1	..	..	1	2	4	4	2	75	95	Rheumatism .....	..
3	..	2	..	..	..	..	..	1	..	..	..	13	14	Neuralgic Affections ..	..
1	1	5	..	..	1	..	1	..	1	..	1	32	32	Constitutional Syphilis	..
3	..	10	..	..	..	..	..	1	2	3	2	59	62	Phthisis	16
..	1	..	..	1	..	..	..	1	..	..	..	7	7	Insanity .....	..
8	..	31	4	9	5	4	9	12	3	18	13	253	250	Bronchitis, Influenza, and Catarrh.....	8
1	..	3	..	1	..	..	..	1	..	..	5	18	27	Pleurisy & Pneumonia.	5
..	2	6	..	..	..	..	..	1	1	..	10	56	68	Skin Disease.....	..
2	..	12	..	2	4	..	4	1	1	4	1	60	69	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Atrophy and Anæmia..	..
7	5	86	2	2	5	5	3	23	4	43	33	688	648	Accidents and diseases not classified.....	34
37	18	178	8	33	21	13	22	60	26	81	82	1530	1449	.... TOTAL	83

typhus removed to Workhouse. f 1 Removed to Workhouse. g Typhoid, 2 removed to Workhouse.
k 3 Typhus and 1 Typhoid.

ndebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	..	1	..	..	1	3	1	..	..	..	2	4
Measles	2	1	1	..	..	1	..	1	..	..	..	9	8
Whooping-cough.....	4	3	..	..	..	1	..	1	4	2	2	17	1
Scarlatina.....	..	2	..	..	1	1	..	2	3	..	..	9	25
Diarrhoea	2	..	1	1	2	2	2	..	1	..	1	12	3
Fever	2	2	b5	1	c3	1	b4	..	d1	..	e1	20	16
Diseases of the Lungs	13	11	6	10	3	7	8	..	4	15	2	79	65
Other causes.....	16	a13	20	7	8	7	15	11	8	15	5	125	93
TOTAL NO. OF DEATHS.	39	32	34	19	17	20	33	15	21	32	11	273	215
TOTAL NO. OF BIRTHS.	27	37	10	17	23	23	22	23	29	48	21	280	323

a 3 Inquests. b Typhus. c 1 Typhoid and 1 Gastric. d Typhoid. e Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	4 Weeks ending 23th Oct.	TOTAL.	DISEASE.	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	4 Weeks ending 28th Oct.	TOTAL
9	18	..	27	.....Small-pox.....	8	10	10	28
13	15	4	32	..... Chicken-pox .....	..	2	1	3
79	72	57	208	..... Measles	36	24	27	87
53	38	40	131	.....Scarlatina.....	35	40	46	121
6	2	1	9	..... Diphtheria .....	..	1	..	1
64	43	55	162	.... Whooping-cough	60	155	131	346
2	4	2	8	.....Croup.....	1	3	1	5
1093	878	519	2490	.....Diarrhoea	616	509	285	1410
11	1	1	13	.....Dysentery.....	14	21	12	47
..	..	..	..	..... Cholera .....	..	..	..	..
32	26	23	81	.....Erysipelas.....	22	33	26	81
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
13	17	8	38	..... Insanity	33	54	24	111
517	614	624	1755	.. Bronchitis and Catarrh..	409	615	705	1729
13	14	8	35	..... Pleurisy	46	41	44	131
14	11	23	48	..... Pneumonia .....	..	..	..	..
7	10	8	25	.....Carbuncle.....	..	..	..	..
3722	4313	3452	11487	{ Accidents, and all other Diseases. }	4101	5626	4812	14539
5648	6076	4825	16549	..... TOTAL	5381	7134	6124	18639

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN OCTOBER.				Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.		Wet Days.								
Castleton Moor	6.177	.....	17							
Royton	6.085	.....	20							
Old Trafford..	5.005	.....	20							
Eccles.....	4.550	.....	22							
Bowdon.....	4.115	.....	21							
Penketh	2.975	.....	18							
Height of barometer cistern above sea level				212 ft.	123 ft	130 ft.	118ft.	522 ft.	44 ft.	475 ft.
Barometer.				INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				30.246	30.254	30.275	30.243	30.265	30.254	30.246
Highest.....				30.219	30.235	30.190	30.265	29.800	30.334	29.860
Lowest				30.036	30.033	30.006	30.065	29.563	30.126	29.674
Range				0.183	0.202	0.184	0.200	0.232	0.208	0.186
Temperature.										
Adopted Mean				41.7	40.1	38.5	41.0	40.0	39.9	40.4
Range for Week				15.6	24.0	21.6	22.6	23.9	25.9	21.5
Daily Range				12.1	15.9	13.4	12.5	16.3	14.7	12.9
Maximum in Shade				49.8	52.0	49.8	51.5	51.6	50.6	50.5
Minimum in Shade				34.2	28.0	28.2	28.9	27.7	24.7	29.0
Temperature of Dew Point				37.6	34.8	36.3	37.8	36.3	37.4	36.3
Hygrometrical condition of the Atmosphere.				GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)				0.847	0.818	0.917	0.888	0.882	0.912	0.840
Prevailing Winds					N,E	NW,NE	NE	NE	NE	NE
Rain .....				....	0.044	0.063	0.024	0.095	0.007	0.052
Ozonometer.										
Moffat .....				.....	0.60	.....	1.29	.....	.....	.....
Schonbein.....				.....	0.00	0.28	.....	0.360	0.40	.....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, NOVEMBER 18, 1865. No. 277.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 18th inst., 1,508 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the respective numbers were 1,622 and 1,530.

Though the number of new cases of Continued Fever fell short of that recorded in our summary for the previous week, nevertheless the proportion of cases which terminated fatally proved considerably higher than at that time. Hence we are probably justified in assuming that the cases observed were, on the whole, of a more malignant character and belonged to the more dreaded forms of the disease. The number of deaths from Fever which occurred in the public practice of the town amounted to 17. The victims in these cases were probably all persons of the poorest class. But, inasmuch as 26 more Fever deaths were registered in the town, we can see readily that the disease is now extending itself beyond those loathsome fever centres to which it was for many weeks almost entirely confined.

Measles appears to be prevalent in Salford, no fewer than 12 cases being seen among the patients of the Salford Dispensary.

Whooping-cough is another disease which is very general, and has of late shown itself unusually virulent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 346 deaths were registered in the eleven districts of Manchester and Salford. In the two preceding weeks the respective numbers were 296 and 273—an examination of the disease and death returns clearly indicates that the state of the public health is *most unsatisfactory*.

The mortality from Fever is rapidly increasing, no fewer than 43 fatal cases being entered.

Whooping-cough likewise carried off 28 children, 11 more than in our previous return.

In the deaths due to Diseases of the Lungs we observe a very decided increase. In the two weeks, ending on the 4th and 11th November, 79 deaths were attributable to this cause, last week 116.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 44.8° ; at the Royal Infirmary it was 44.4° ; at Eccles 42.9° ; and at Old Trafford 42.2° . In the neighbourhood of London less than half an inch of rain was measured—at the Manchester stations nearly one inch.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment

MANCHESTER.															
Area in Statute Acres								Manchester Township 1,645							
Population in 1861								" " 185,050							
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	..	2	..	1	2	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	1	1	..	..	..	..	1	..	..	1
Scarlatina .....	..	..	..	..	1	..	1	..	1	..	..	1	..	1	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	..	..	..	..	..	..	..	..	3	6
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	..	1	..	..	..	1	2	..	..	..	..	..	..	5	3
Dysentery .....	..	1	..	..	1	..	2	..	..	2	1	..	..	..	..
Continued Fever.....	4	4	a4	b7	c6	..	25	25	d7	..	e4	e7	f5	3	..
Erysipelas	1	..	..	..	..	..	1	..	..	..	..	1	..	..	..
Rheumatism	1	..	2	..	..	..	3	11	4	24	2	..	1	..	..
Neuralgic Affections .....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2
Constitutional Syphilis .....	..	..	..	..	..	1	1	7	..	10	i	..	..	..	1
Phthisis .....	..	..	..	1	1	..	2	8	..	21	1	2	3	..	4
Insanity .....	..	..	1	..	..	..	1	4	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	1	3	4	2	4	18	15	1	38	4	2	7	7	19
Pleurisy and Pneumonia....	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..
Skin Diseases.....	..	..	..	1	..	..	1	14	..	13	..	..	..	2	8
Dyspepsia .....	..	..	..	..	..	..	..	..	1	26	..	..	1	2	7
Atrophy and Anæmia. ....	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	24	1	7	9	..	11	52	74	53	253	4	7	3	58	7
TOTAL	34	8	17	22	13	18	112	159	69	388	18	23	20	81	58
a 1 Typhus. b 3 Typhus, removed to Workhouse. c 4 Typhus, removed to Workhouse. d 6 Typhus and 1 Typhoid. g Typhus. h 5 Typhus, removed to Workhouse. i 1 Typhus, removed to Hospital.															
Medical Officers to whom the Associates															
(1) Mr. R. M. MANN.				(5) Mr. OCTAVIUS DEAN,				(9) Mr. THOMAS LEEDS,				(13) Mr. H. RUNO			
(2) " J. BROADBENT,				(6) Dr. LEDWARD,				(10) " W. H. SUTCLIFFE,				(14) Dr. WHITEH.			
(3) " EDWARD MEACHAM,				(7) Mr. A. PHILIPPS,				(11) " GEORGE CLEMENTS,				(15) " J OGDEN			
(4) Dr. BRADDON				(8) Dr. GEORGE REEF,				(12) " " "				(16) Mr. J. TEALE			

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ek ending the 18th day of November, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.			Area in Statute Acres. Population in 1861.		DEATHS.
1,329				477			646		508.	2650					
70,967.				68,209.			44,850.		21739	24,448					
LAW TRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Anecats Dispensary.	Chorlton Union Work house.	Total.	Corresponding Week last Year.	DISEASES.	
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's									
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	..	..	5	33	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
1	..	12	..	..	..	..	..	2	..	..	..	18	17	Measles	1
..	..	..	..	1	..	..	..	1	..	..	..	6	19	Scarlatina	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	2	..	..	..	4	2	4	4	2	2	29	9	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
..	..	3	1	..	3	1	..	3	3	..	2	31	25	Diarrhœa .....	..
..	..	..	..	1	..	..	..	..	..	..	..	6	1	Dysentery .....	..
1	g2	g12	..	h7	i3	2	1	1	2	g1	g10	123	86	Continued Fever	17
..	3	3	..	..	..	..	..	..	1	..	1	10	14	Erysipelas	1
1	1	1	1	1	2	1	1	3	..	3	1	64	99	Rheumatism .....	..
1	..	4	..	..	..	..	..	..	..	..	..	8	11	Neuralgic Affections ..	..
..	1	4	..	..	..	..	..	..	1	1	..	30	24	Constitutional Syphilis	..
..	..	9	..	1	..	1	2	1	..	2	1	61	69	Phthisis	6
..	..	..	..	..	..	..	..	..	1	..	..	6	6	Insanity .....	..
8	..	43	3	8	10	6	5	11	3	18	5	236	266	Bronchitis, Influenza, and Catarrh.....	14
1	..	8	..	..	..	2	2	..	..	..	..	15	22	Pleurisy & Pneumonia.	4
..	4	3	..	2	..	..	1	1	2	..	10	65	77	Skin Disease.....	..
2	..	12	1	2	2	..	1	3	4	3	..	70	49	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Atrophy and Anæmia..	1
6	6	76	1	5	3	8	1	30	1	43	29	724	710	Accidents and diseases not classified.....	39
21	17	192	7	28	23	25	16	60	22	73	61	1508	1538	.... TOTAL	85

hus and 1 Typhoid, + Typhus and 1 Typhoid removed to Workhouse. f 1 Typhus and 2 Typhoid, removed to Workhouse. j 3 Typhus and 2 Typhoid.

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J.V.L.WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Lippie.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	a1	1	..	1	..	1	..	1	1	..	6	3
Measles	2	..	..	..	..	3	4	..	..	..	..	9	2
Whooping-cough.....	7	1	5	5	..	..	2	1	1	3	3	28	6
Scarlatina .....	..	1	1	..	..	1	1	..	2	2	..	8	11
Diarrhoea	3	..	..	..	3	2	2	1	..	..	..	11	5
Fever .....	..	3	b14	c1	d8	e5	c4	..	h1	6	c1	43	13
Diseases of the Lungs	18	10	11	11	5	14	4	6	13	22	2	116	66
Other causes.....	12	7	20	8	8	f10	g17	7	12	15	9	125	142
TOTAL NO. OF DEATHS.	42	23	52	25	25	35	35	15	30	49	15	346	248
TOTAL NO. OF BIRTHS.	47	46	26	22	23	25	15	16	33	52	30	335	270

a Unvaccinated. b 13 Typhus and 1 Typhoid. c Typhus. d 5 Typhus and 2 Typhoid. e 3 Typhus and 2 Typhoid. f 2 Inquests. g 1 Inquest. h Gastric.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	4 Weeks ending 23th Oct.	TOTAL.	DISEASE.	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	4 Weeks ending 28th Oct.	TOTAL
9	18	..	27	.....Small-pox.....	8	10	10	28
13	15	4	32	.....Chicken-pox.....	..	2	1	3
79	72	57	208	.....Measles.....	36	24	27	87
53	38	40	131	.....Scarlatina.....	35	40	46	121
6	2	1	9	.....Diphtheria.....	..	1	..	1
64	43	55	162	.....Whooping-cough.....	60	155	131	346
2	4	2	8	.....Croup.....	1	3	1	5
1093	878	519	2490	.....Diarrhoea.....	616	509	285	1410
11	1	1	13	.....Dysentery.....	14	21	12	47
..	..	..	..	.....Cholera.....	..	..	..	..
32	26	23	81	.....Erysipelas.....	22	33	26	81
..	..	..	..	.....Puerperal Fever.....	..	..	..	..
13	17	8	38	.....Insanity.....	33	54	24	111
517	614	24	1755	.....Bronchitis and Catarrh.....	409	615	705	1729
13	14	8	35	.....Pleurisy.....	46	41	44	131
14	11	23	48	.....Pneumonia.....	..	..	..	..
7	10	8	25	.....Carbuncle.....	..	..	..	..
3722	4313	3452	11487	Accidents, and all other Diseases.	4101	5626	4812	14539
5648	6076	4825	16549	.....TOTAL.....	5381	7134	6124	18639

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN OCTOBER.			Royal Infirmary, Dr. REED.		Old Trafford, G.V. VERNON, Esq.		Bowdon, J. THOMPSON, Esq.		Eccles, T. MACKERETH Esq.		Royton, J. HEAP, Esq.		Penketh, Warrington. L. W. Reynolds Esq.		Castl- ton Moor, Rev. J. C. BATES.	
Inches.	Wet Days.															
Castleton Moor	6.177	17														
Royton	6.085	20														
Old Trafford..	5.005	20														
Eccles.....	4.550	22														
Bowdon.....	4.115	21														
Penketh	2.975	18														
Height of barometer cistern above sea level			212 ft.	123 ft	130 ft.	118ft.	522 ft.	44 ft.	47 ft.							
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.							
Mean @ 32° F., and reduced to sea level			30.090	30.160	30.175	30.161	30.170	30.169	30.150							
Highest.....			30.384	30.426	30.380	30.423	29.970	30.510	30.036							
Lowest.....			29.18	29.542	29.40	29.537	29.051	29.590	29.130							
Range			0.866	0.884	0.900	0.886	0.919	0.920	0.906							
Temperature.																
Adopted Mean			44.4	42.2	43.0	42.9	41.7	42.7	42.0							
Range for Week			20.3	23.7	20.9	22.1	24.0	27.8	22.0							
Daily Range			13.1	16.9	15.2	13.0	15.2	14.3	15.5							
Maximum in Shade			56.0	56.7	55.2	55.6	53.3	56.4	53.0							
Minimum in Shade			35.7	33.0	34.3	33.5	29.3	28.6	31.0							
Temperature of Dew Point			40.0	38.2	39.7	39.2	39.6	39.6	38.4							
Hygrometrical condition of the Atmosphere.																
Degree of Humidity (Saturation—1,000)			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.							
			0.840	0.864	0.875	0.864	0.904	0.888	0.878							
Prevailing Winds				S,SE	S,SE	SE	SE	SE	S,SE							
Rain				0.897	0.872	0.934	1.010	0.959	1.430							
Ozonometer.																
Moffat				0.43		0.71										
Schonbein				0.28	1.14		1.26	1.40								

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

L. V.] WEEK ENDING SATURDAY, NOVEMBER 25, 1865. No. 278.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 25th inst., 1,505 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. The deaths at the same time, in public practice, amounted to 72. This proportion of deaths to cases is 1 to 20.

Fever still continues remarkably prevalent, 128 new cases being recorded in the week; about 60 of them proved examples of true Typhus,—no fewer than 32 were admitted into the fever wards of the Manchester Workhouse. At the Salford Workhouse 10 more fever patients applied for relief.

Diseases connected with the respiratory organs proved unusually fatal; 11 deaths were ascribed to Consumption, and 11 more to Bronchitis, all among the very poorest classes of the population.

Measles still continues very general in Salford. In our last report we referred to 12 cases relieved by the medical staff of the Salford Dispensary; this week 13 more are returned among the patients of that institution.

Whooping Cough does not as yet exhibit any signs of being on the decrease, the disease appears to be pretty evenly diffused over the different districts of the town.

Six cases of Scarlet Fever are recorded, the same number as in the two previous returns.

Croup, which for a considerable time has scarcely appeared in our columns, is this week credited with 3 cases, of which two proved fatal. The mortality from the genuine form of this disorder is always remarkably high.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 340 deaths were registered in the eleven districts of the Association. In the preceding week they were somewhat more numerous. Both returns however are lamentably high.

Fever carried off 32 persons.

The Registrar General, in a note attached to the last weekly return, specially refers to the high rates of mortality in the City of Manchester and Borough of Salford, which he states is caused by an epidemic of Typhus and Typhoid Fevers. It is to be feared that Manchester will this winter attain as unenviable a notoriety for Fever, as that which made Liverpool and Greenock notorious during the latter months of '64 and the early part of this year.

Whooping Cough proved very virulent, and carried off 23 persons. The great majority of the deaths must have occurred among the better-to-do classes, as in our disease return, which refers to public practice alone, no death is entered.

The weather for the week was unusually warm. At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 50·6°; at Eccles it was 49·4°; at Old Trafford 48·8°; and at Bowdon 48·2°. In the neighbourhood of London about one inch of rain appears to have fallen; at these stations about 1½ inches. During the gale of wind which raged on Wednesday, a pressure of 25 lbs. to the square foot was recorded.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment.

(1) Mr. R. M. MANN.	(5) Mr. OCTAVIUS DEAN,	(9) Mr. THOMAS LEEDS,	(13) Mr. H. RUNNELL,
(2) „ J. BROADBENT,	(6) Dr. LEDWARD,	(10) „ W. H. SUTCLIFFE,	(14) Dr. WHITE,
(3) „ EDWARD MEACHAM,	(7) Mr. A. PHILIPPS,	(11) „ GEORGE CLEMENTS,	(15) „ J. OGDELL,
(4) Dr. BRADDON	(8) Dr. GEORGE REEF,	(12) „	(16) Mr. J. TEAL,

SANITARY ASSOCIATION.

REPORTS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 25th day of November, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329				477			646		508	2650			Area in Statute Acres.		
70,967				68,209			44,850		21,739	24,448			Population in 1861.		
POOR LAW DISTRICT		PUBLIC INSTITUTIONS.		POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	1	..	..	..	..	3	32	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	1	1	Chicken-pox .....	..
1	1	13	..	..	..	..	..	2	..	..	..	24	15	Measles	1
..	..	..	..	1	..	..	..	3	..	..	..	6	13	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	2	..	..	..	3	..	6	5	2	..	33	8	Whooping-cough .....	..
..	..	..	..	..	..	..	..	..	1	..	..	3	1	Croup	2
2	..	3	2	..	2	..	..	2	3	..	..	34	25	Diarrhoea .....	..
..	..	2	..	..	..	..	1	..	..	..	..	5	3	Dysentery .....	..
3	15	11	..	6	1	4	..	2	2	..	1	128	54	Continued Fever	11
..	1	1	..	1	..	..	..	..	..	..	..	13	3	Erysipelas .....	..
2	..	3	1	..	1	..	1	1	3	2	6	46	107	Rheumatism .....	..
..	..	2	..	..	..	..	..	1	..	..	..	17	14	Neuralgic Affections ..	..
..	2	3	..	..	..	..	..	1	1	1	4	46	28	Constitutional Syphilis	1
1	1	11	1	..	..	1	1	1	..	2	..	60	58	Phthisis	11
..	1	..	..	..	..	..	..	..	..	..	..	8	8	Insanity .....	..
1	1	31	4	7	7	7	6	14	3	13	7	233	263	Bronchitis, Influenza, and Catarrh.....	11
..	..	1	..	..	..	..	..	2	1	..	..	20	21	Pleurisy & Pneumonia.	..
..	4	7	..	..	..	..	2	1	2	..	3	70	65	Skin Disease.....	..
..	..	9	1	..	..	1	1	4	1	3	4	59	93	Dyspepsia .....	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	1
8	9	47	1	12	5	5	5	31	6	33	37	695	739	Accidents and diseases not classified.....	34
18	35	146	10	27	16	21	18	72	28	56	62	1505	1551	.... TOTAL	72

f 5 Typhus, removed to Workhouse. *g* Typhus. *h* 1 Typhus, 1 Typhoid, and 1 Febricula.
i 10 Typhus. *j* 3 Typhoid. *k* Typhoid, removed to Workhouse. *l* 1 removed to Workhouse.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J.V.L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowet.	Regent-rd. Dis., Mr. Lippie.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	..	..	..	..	..	..	..	1	..	1	5
Measles	1	2	1	1	..	..	3	1	..	..	..	9	9
Whooping-cough.....	4	1	1	2	1	2	3	3	4	..	2	23	2
Scarlatina	3	..	..	..	2	4	1	..	2	..	..	12	12
Diarrhœa	2	..	1	1	1	2	..	..	1	..	..	8	2
Fever .....	..	6	a7	b3	d2	e2	e2	2	1	7	..	32	10
Diseases of the Lungs	15	10	7	6	3	15	4	1	15	18	2	96	59
Other causes.....	11	10	39	c11	13	f9	14	11	8	29	4	159	135
TOTAL NO. OF DEATHS.	36	29	56	24	22	34	27	18	31	55	8	340	234
TOTAL NO. OF BIRTHS.	45	22	10	19	11	29	24	15	30	38	18	261	280

a 6 Typhus and 1 Typhoid.

b 2 Typhus and 1 Typhoid.

c 6 Inquests.

d 1 Typhoid.

e Typhus. f 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	4 Weeks ending 23th Oct.	TOTAL.	DISEASE.	4 Weeks ending 26th Aug.	5 Weeks ending 30th Sep.	4 Weeks ending 28th Oct.	TOTAL
9	18	..	27	..... Small-pox.....	8	10	10	28
13	15	4	32	..... Chicken-pox .....	..	2	1	3
79	72	57	208	..... Measles	36	24	27	87
53	38	40	131	..... Scarlatina.....	35	40	46	121
6	2	1	9	..... Diphtheria .....	..	1	..	1
64	43	55	162	.... Whooping-cough	60	155	131	346
2	4	2	8	..... Croup.....	1	3	1	5
1093	878	519	2490	..... Diarrhœa	616	509	285	1410
11	1	1	13	..... Dysentery.....	14	21	12	47
..	..	..	..	..... Cholera .....	..	..	..	..
32	26	23	81	..... Erysipelas.....	22	33	26	81
..	..	..	..	..... Puerperal Fever ....	..	..	..	..
13	17	8	38	..... Insanity	33	54	24	111
517	614	24	1755	. Bronchitis and Catarrh..	409	615	705	1729
13	14	8	35	..... Pleurisy	46	41	44	131
14	11	23	48	..... Pneumonia .....	..	..	..	..
7	10	8	25	..... Carbuncle .....	..	..	..	..
3722	4313	3452	11487	{ Accidents, and all other Diseases. }	4101	5626	4812	14539
5648	6076	4825	16549	..... TOTAL	5381	7134	6124	18639

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN OCTOBER.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Castleton Moor 6.177	17							
Royton 6.085	20							
Old Trafford.. 5.005	20							
Eccles..... 4.550	22							
Bowdon..... 4.115	21							
Penketh .. 2.975	18							
Height of barometer cistern above sea level			212 ft.	123 ft	130 ft.	118ft.	522 ft.	44 ft.	
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	
Mean @ 32° F., and reduced to sea level			29.234	29.228	29.243	29.220	29.221	29.196	
Highest.....			29.650	29.653	29.586	29.669	29.204	29.687	
Lowest			28.580	28.218	28.514	28.551	27.813	28.582	
Range			1.070	1.435	1.072	1.118	1.391	1.105	
Temperature.									
Adopted Mean			49.6	48.8	48.2	49.4	47.2	48.6	
Range for Week			15.1	21.8	15.2	15.5	16.0	16.8	
Daily Range.....			9.0	11.7	9.8	8.9	10.0	8.6	
Maximum in Shade			57.2	57.8	56.2	57.4	55.6	56.8	
Minimum in Shade			42.1	36.0	41.0	41.9	39.6	40.0	
Temperature of Dew Point			45.5	43.2	44.2	45.0	43.4	45.3	
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS. 0.866	GRS. 0.811	GRS. 0.868	GRS. 0.850	GRS. 0.872	GRS. 0.878	
Prevailing Winds				SE	SW	S, SE	SE	SE, SW	
Rain .....			....	1.454	1.551	1.422	2.000	1.292	
Ozonometer.									
Moffat .....			.....	3.28	.....	1.00	.....	.....
Schonbein.....			.....	2.71	5.86	.....	4.68	4.40	

November 25, 1865.

JOHN HEAP, Royton, Oldham.

Powlson and Sons, Printers, Bow Street, John Dalton Street, Manchester.

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, DECEMBER 2, 1865. No. 279.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 2nd inst., 1,425 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the returns exhibited a still higher total.

The deaths in the course of the week among patients of the poorest class amounted to 55. Thus the proportion of deaths to cases was 1 to 25.

Fever, though somewhat less prevalent than in the two previous weeks, still continues very general, no fewer than 115 new cases being recorded. Thirty-one cases of Typhus were admitted into the Manchester Workhouse, 15 into the Chorlton, and 6 into the Salford Workhouse.

Measles appears to be rapidly gaining ground, 17 new cases being recorded among the patients of the Salford Hospital.

Owing, probably, to the mild and genial weather which has so generally prevailed, Bronchitis has not as yet set in with that degree of intensity which usually characterises the diseases of the respiratory organs at this season of the year.

Whooping-Cough does not as yet exhibit any signs of abatement—37 new cases are recorded; in the two previous returns the respective numbers were 29 and 33. No other disease occurred to any unusual extent.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 302 deaths were registered in the eleven districts of the Association. In the two preceding weeks the returns were still more unsatisfactory. Fever under its various forms proved fatal to 34 persons—11 of these deaths were registered in the Market Street District—a quarter of the town in which both the Royal Infirmary and Workhouse are situated.

Whooping-Cough carried off 21 more—the great majority being young children.

The deaths from Scarlet Fever fell from 12 to 8, and those from Diarrhoea from 8 to 2.

In London, according to the last return of the Registrar General, the deaths were less by 200 than the average for the last week in November.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 43.7°; at the Royal Infirmary last week, the warmest of the Manchester Stations, it was 43.2°; at Eccles 42.9°; at Old Trafford 42.4°; and at Bowdon 41.0°.

In the neighbourhood of London about three-quarters of an inch of rain was measured; at these stations the quantity was considerably less.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment In

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN	
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	a2	2	..	1	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	2	2	..	..	..	..	..	..	1	1
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	i	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	..	..	..	2	2	..	..	3	..	..	..	8	5
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	3	1	..	..	..	4	1	1	4	..	..	..	4	4
Dysentery .....	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..
Continued Fever.....	6	..	6	..	..	b4	16	31	c3	2	d2	g3	e4	16	..
Erysipelas .....	..	1	..	..	..	1	2	..	..	..	..	1	..	..	..
Rheumatism	2	..	1	..	..	..	3	6	4	8	2	1	1	1	2
Neuralgic Affections .....	..	..	..	..	..	..	..	..	2	3	..	..	..	..	1
Constitutional Syphilis .....	..	..	..	..	..	..	..	10	..	9	..	1	..	..	1
Phthisis .....	..	..	..	2	3	..	5	8	..	10	..	2	2	..	..
Insanity .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	3	13	..	3	4	8	31	15	..	26	9	4	6	4	35
Pleurisy and Pneumonia....	1	..	1	..	..	1	3	2	1	2	..	..	..	..	1
Skin Diseases.....	1	1	..	1	..	..	3	7	..	8	..	..	..	3	21
Dyspepsia .....	..	..	..	..	..	..	..	..	1	17	..	..	3	3	7
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..
Accidents and diseases not classified.....	15	4	7	12	1	10	49	40	50	194	5	10	15	43	4
TOTAL	28	22	18	18	8	30	124	120	63	292	18	22	32	77	82
a Modified. b 2 Febricula. c Typhus. d Febricula. e 2 Typhus and 2 Febricula.															

Medical Officers to whom the Associat

- | | | | |
|-----------------------|------------------------|-------------------------|------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. THOMAS LEEDS, | (13) Mr. H. RUNO |
| (2) „ J. BROADBENT, | (6) Dr. LEDWARD, | (10) „ W. H. SUTCLIFFE, | (14) Dr. WHITEH. |
| (3) „ EDWARD MEACHAM, | (7) Mr. A. PHILIPPS, | (11) „ GEORGE CLEMENTS, | (15) „ J. OGDEN |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEF, | (12) „ | (16) Mr. J. TEAL |

ANITARY ASSOCIATION.

ONS OF MANCHESTER AND ADJOINING DISTRICTS.

ck ending the 2nd day of December, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK	PENDLETON AND PENDLEBURY.						
1,329				477.			646. ...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209. ...			44,850. .		21739	24,448				Population in 1861.		
LAW RICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS												
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work- house.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.	
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	1	..	1	..	..	..	5	28	Small-pox .....	..
..	..	..	..	..	..	..	..	1	..	..	..	1	4	Chicken-pox .....	..
1	1	17	..	..	..	..	1	2	1	1	..	30	11	Measles	4
..	..	..	..	..	..	..	..	3	..	..	..	4	16	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	5	..	..	..	3	..	4	4	2	1	37	11	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	..	3	Croup .....	..
1	..	2	4	2	..	1	1	1	..	..	..	34	32	Diarrhoea .....	..
..	..	..	..	..	..	..	..	..	..	..	..	3	..	Dysentery .....	..
4	f8	6	..	2	3	..	..	1	1	c3	c15	115	57	Continued Fever	11
..	1	3	..	..	..	..	..	..	..	..	1	8	7	Erysipelas .....	..
..	..	4	2	3	1	1	2	1	..	3	3	52	95	Rheumatism .....	..
..	..	..	..	..	..	..	..	..	..	..	..	7	18	Neuralgic Affections ..	..
..	..	2	..	1	..	..	..	1	..	1	4	34	27	Constitutional Syphilis	1
2	..	11	1	..	1	1	2	1	1	3	2	52	45	Phthisis	5	
..	1	..	..	..	..	..	..	..	..	..	..	3	6	Insanity .....	..
9	..	30	3	8	1	10	6	10	3	17	4	239	256	Bronchitis, Influenza, and Catarrh.....	3	
..	..	..	..	2	..	1	..	1	..	1	..	14	21	Pleurisy & Pneumonia.	4
..	6	7	..	..	..	..	2	1	2	1	10	77	86	Skin Disease.....	..
2	..	13	1	..	3	1	..	4	4	4	1	68	82	Dyspepsia .....	..
..	..	..	..	..	..	..	..	..	..	..	..	5	..	Atrophy and Anæmia..	..
6	11	68	1	12	3	3	3	34	4	33	40	637	859	Accidents and diseases not classified.....	26	
25	28	168	12	30	12	22	17	66	20	69	81	1425	1664	.... TOTAL	55

f 6 Typhus.

g 1 Typhus and 2 Typhoid.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
 (18) Mr. M. O. LARMUTH,
 (19) „ J. O. BRADBURY,
 (20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
 (22) Dr. ALEX. WILSON,
 (23) Mr. H. M. WILLIAMSON.
 (24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
 (26) „ J.V.L. WESTMACOTT,
 (27) „ JAMES SHACKLETON,
 (28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowe.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	1	..	..	..	..	2	1	..	..	..	1	6
Measles .....	..	2	..	2	1	1	3	1	3	3	..	3	7
Whooping-cough.....	5	..	..	..	..	..	..	..	..	..	..	21	4
Scarlatina	3	..	1	1	..	2	1	..	..	..	..	8	11
Diarrhœa .....	..	..	..	..	1	..	..	1	..	..	..	2	9
Fever .....	..	2	all	ol	d4	4	f4	g4	i	j2	1	34	8
Diseases of the Lungs	17	14	8	5	3	6	7	4	7	9	7	87	68
Other causes.....	11	15	21	c10	12	e 8	13	h9	i11	k29	l7	146	123
TOTAL NO. OF DEATHS.	36	34	41	19	21	21	30	20	22	43	15	362	236
TOTAL NO. OF BIRTHS.	35	52	25	20	12	48	38	28	29	52	25	364	312

a 10 Typhus and 1 Typhoid. b Typhoid. c 2 Inquests. d 3 Typhus. e 3 Inquests. f 2 Typhoid, 1 Typhus and 1 Gastric. g 3 Typhoid and 1 Gastric. h 1 Inquest. i 5 Inquests. j 1 Typhus and 1 Gastric. k 6 Inquests. l 4 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Sep.	4 Weeks ending 23th Oct.	4 Weeks ending 25th Nov.	TOTAL.	DISEASE.	5 Weeks ending 30th Sep.	4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	TOTAL
18	..	9	27	.....Small-pox.....	10	10	22	42
15	4	7	26	..... Chicken-pox	2	1	4	7
72	57	78	207	..... Measles	24	27	79	130
38	40	42	120	.....Scarlatina.....	40	46	31	117
2	1	..	3	..... Diphtheria	1	..	..	1
43	55	41	139	.... Whooping-cough	155	131	131	417
4	2	..	6	.....Croup.....	3	1	5	9
878	519	279	1676	.....Diarrhœa.....	509	285	147	941
1	1	..	2	.....Dysentery.....	21	12	21	54
..	..	..	..	..... Cholera .....	..	..	..	..
26	23	22	71	.....Erysipelas.....	33	26	40	99
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
17	8	10	35	..... Insanity	54	24	33	111
614	624	942	2180	..Bronchitis and Catarrh..	615	705	943	2263
14	8	13	35	..... Pleurisy	41	44	65	150
11	23	13	47	..... Pneumonia				
10	8	4	22	.....Carbuncle.....	..	..	..	..
4313	3452	3495	11260	{ Accidents, and all other Diseases. }	5626	4812	4637	15075
6076	4825	4955	15856	..... TOTAL	7134	6124	6158	19416

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN NOVEMBER.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERETH Esq	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Castleton Moor 3.774	.....	14							
Royton 3.485	.....	17							
Penketh 3.106	.....	19							
Bowdon 2.922	.....	23							
Eccles..... 2.818	.....	17							
Old Trafford.. 2.770	.....	16							
Height of barometer cistern above sea level			212 ft.	123 ft	170 ft.	118ft.	544 ft.	44 ft.	475ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.608	29.662	29.679	29.663	29.650	29.651	29.675
Highest.....	Unreduced {		30.020	30.047	29.980	30.043	29.585	30.114	29.656
Lowest			29.014	28.940	28.948	29.011	28.520	29.090	28.630
Range			1.006	1.107	1.032	1.032	1.065	1.024	1.026
Temperature.									
Adopted Mean			43.2	42.4	41.0	42.9	41.7	41.3	40.4
Range for Week			17.3	21.2	17.7	21.2	23.6	21.9	20.8
Daily Range			9.3	9.2	9.8	7.7	10.1	8.1	8.9
Maximum in Shade			52.9	49.7	47.2	49.2	50.0	48.2	47.5
Minimum in Shade			35.6	28.5	29.5	28.0	26.4	26.3	26.7
Temperature of Dew Point			38.8	37.7	38.0	40.8	39.2	38.4	37.4
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)			0.840	0.836	0.889	0.848	0.913	0.899	0.896
Prevailing Winds				NE,E	SE	NE,SE	SE	NE,E	NE,E
Rain .....			....	0.226	0.132	0.186	0.130	0.411	0.117
Ozonometer.									
Moffat .....			.....	0.00	.....	0.00	.....	.....	.....
Schonbein.....			.....	0.00	0.08	0.00	0.00	1.60	.....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, DECEMBER 9, 1865. No. 280.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 9th inst., 1,558 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two previous weeks the respective numbers were 1,505 and 1,425.

There is a decrease of 11 in the number of new cases of Continued Fever. In our preceding return 115 cases were recorded, in the present 104. A very large proportion of them proved examples of Typhus Fever; 29 new cases of this disease were admitted into the Manchester Workhouse, and 7 more into the Salford and Chorlton Workhouses. Dr. Ledward specially refers to a case of Typhus which occurred in the St. Michael's District. He remarks that "One of the cases of Typhus Fever in this week's return occurred in a dwelling of two rooms, situated in a very small court (Goulden-court), off Marshall-street. This court contains only this single dwelling, and a privy with its never failing cesspool. About four weeks ago the dwelling was inhabited by a mother and three daughters, two of whom were grown up. The mother died of Typhus after a few days' illness—two of the daughters, who were also attacked by Typhus, were removed to hospital and recovered. The above case is that of the remaining daughter, who has likewise been removed to the hospital. The dwelling in which this poor family lived is only about three yards square." Dr. Ledward also refers to a family he is attending in Edge Court, Cable Street. "Two members of this family are suffering from Cachectic Debility. It consists of four adults and five children, all of whom live and sleep in a single apartment of four yards square, the ceiling about six feet six inches from the floor."

Whooping Cough still continues very general, 36 cases and 4 deaths being recorded in public practice alone.

Under Measles it is satisfactory to observe a decided improvement.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 307 deaths were registered in the eleven districts of the Sanitary Association. In the corresponding week of last year there were only 218. The excessive mortality is in a great measure due to Fever and Whooping-Cough; the former disease carried off 29 persons, the latter 25.

Two deaths from Diphtheria are specially referred to by the Registrar of the St. George's District.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 46.5°; at the Royal Infirmary it was 45.9°; at Eccles 45.5°; at Bowdon 45.0°; and at Old Trafford 44.9°.

JOHN ED. MORGAN. M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, PALL MALL, MANCHESTER.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC INSTITUTIONS New Cases of Disease coming under Treatment

MANCHESTER															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	" " 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.			CHILDREN			
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	..	2	..	..	1	1	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	2	1	..	..	..	3	..	..	..	..	..	..	8	7
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	1	..	..	..	..	..	1	..	..	1	..	1	1	4	6
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	3	1	a7	3	..	b5	19	29	c4	..	..	d3	e5	7	..
Erysipelas	1	..	..	..	..	..	1	..	..	..	1	..	1	..	..
Rheumatism	2	3	..	1	..	..	6	15	2	17	1	1	..	..	..
Neuralgic Affections.....	..	..	..	..	..	..	..	..	..	5	..	1	1	..	1
Constitutional Syphilis .....	..	..	..	..	..	..	..	7	..	21	..	..	..	..	..
Phthisis .....	..	1	1	..	..	..	2	12	1	15	2	2	2	1	4
Insanity .....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	6	3	2	2	3	7	23	30	1	42	1	6	7	9	14
Pleurisy and Pneumonia.....	..	..	2	1	..	..	3	..	..	..	1	..	..	..	..
Skin Diseases.....	2	..	..	1	..	3	6	7	..	12	..	..	..	5	13
Dyspepsia .....	..	2	..	..	1	..	3	..	..	29	..	..	1	2	6
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	27	5	12	12	3	5	64	44	44	276	5	6	6	51	13
TOTAL	42	17	26	20	7	20	132	144	54	418	11	23	26	88	64

a 1 Febricula. b 1 Typhus and 2 Febricula. c 3 Typhus and 1 Febricula. d 1 Typhus, 1 Typhoid, and 1 Febricula

Medical Officers to whom the Association

- | | | | |
|-----------------------|------------------------|-------------------------|-------------------|
| (1) Mr. R. M. MANN. | (5) Mr. OCTAVIUS DEAN, | (9) Mr. THOMAS LEEDS, | (13) Mr. H. RUNC |
| (2) J. BROADBENT, | (6) Dr. LEDWARD, | (10) " W. H. SUTCLIFFE, | (14) Dr. WHITEH |
| (3) " EDWARD MEACHAM, | (7) Mr. T. J. WEBSTER. | (11) " GEORGE CLEMENTS, | (15) " J. OGDEN |
| (4) Dr. BRADDON | (8) Dr. GEORGE REEL, | (12) " " " | (16) Mr. J. TEALE |

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

Week ending the 9th day of December, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						
1,329				477			646		508	2650				Area in Statute Acres.		
70,967				68,209			44,850		21,739	24,448				Population in 1861.		
LAW DISTRICT.	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS.						Ardwick & Ancoats Dispensary.	Chorlton Union Work House.		Corresponding Week last Year.	DISEASES.	DEATHS.	
Regent Road.	Workhouse.	Dispensary.	New Bailey.	St. George's.	Medlock.	St. Philip's.	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work House.	Total.	Corresponding Week last Year.			
17	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	1	..	1	..	..	..	6	21	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	2	Chicken-pox .....	..
3	..	5	..	..	..	..	..	..	..	1	..	11	30	Measles	1
..	..	..	..	..	..	..	..	2	..	..	..	4	17	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
1	..	3	..	1	..	4	..	3	4	2	..	36	8	Whooping-cough	4	
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Croup .....	..
..	..	..	3	..	1	1	1	4	1	..	..	27	25	Diarrhœa .....	..
..	..	..	..	..	..	..	..	..	1	..	..	1	1	Dysentery .....	..
f4	17	5	..	g5	1	3	h2	..	1	2	f7	104	60	Continued Fever	9	
..	..	..	..	..	..	..	..	..	..	..	1	4	7	Erysipelas .....	..
1	3	3	1	2	3	2	4	3	2	4	4	77	118	Rheumatism .....	..
5	..	..	..	..	1	..	..	..	..	..	..	14	9	Neuralgic Affections ..	..
1	2	3	..	..	..	..	..	..	1	..	1	39	28	Constitutional Syphilis	1
..	1	5	..	..	..	1	..	..	..	2	..	51	54	Phthisis	8
1	..	..	..	..	..	..	..	..	..	..	..	3	8	Insanity .....	..
3	2	13	4	2	6	6	2	13	3	20	6	229	275	Bronchitis, Influenza, and Catarrh	7	
..	..	2	..	..	..	..	..	2	..	..	..	8	33	Pleurisy & Pneumonia.	..
1	1	8	..	..	1	2	..	1	1	..	17	77	90	Skin Disease .....	..
2	..	12	..	2	3	..	3	4	3	5	..	80	66	Dyspepsia .....	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia ..	..
14	8	121	2	8	2	3	7	24	4	38	37	786	741	Accidents and diseases not classified	27	
36	24	180	10	20	18	23	19	58	21	74	73	1558	1594	... TOTAL	57	

e 4 Typhus and 11 Febricula. f Typhus. g 3 Febricula. h Febricula. i Confluent, not Vaccinated.

indebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
 (18) Mr. M. O. LARMUTH,
 (19) „ J. O. BRADBURY,
 (20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
 (22) Dr. ALEX. WILSON,
 (23) Mr. H. M. WILLIAMSON.
 (24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
 (26) „ J. V. L. WESTMACOTT,
 (27) „ JAMES SHACKLETON,
 (28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowet.	Regent-rd. Dis., Mr. Tipple.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox	1	1	1	1	1	1	1	1	1	1	1	2	8
Measles	1	1	1	1	1	1	1	1	1	1	1	6	9
Whooping-cough.....	5	1	1	1	1	1	8	1	2	2	4	25	1
Scarlatina	2	1	1	1	1	1	1	1	1	1	1	4	10
Diarrhoea	1	1	1	1	1	2	1	1	1	1	1	5	3
Fever	1	5	5	3	1	5	5	1	1	1	2	29	13
Diseases of the Lungs	13	9	3	10	4	7	3	1	5	21	6	82	51
Other causes.....	a22	b24	18	e11	f18	h9	e14	i9	e11	13	5	154	123
TOTAL NO. OF DEATHS.	44	42	27	26	24	25	34	11	20	37	17	307	218
TOTAL NO. OF BIRTHS.	44	43	14	25	17	25	34	13	31	55	20	321	317

a 11 Inquests. b 2 Diphtheria and 9 Inquests. c Typhus. d 2 Typhus and 1 Typhoid. e 1 Inquest.
f 7 Inquests. g 2 Typhoid h 4 Inquests. i 2 Inquests. j Typhoid.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Sep.	4 Weeks ending 23th Oct.	4 Weeks ending 25th Nov.	TOTAL.	DISEASE.	5 Weeks ending 30th Sep.	4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	TOTAL
18	..	9	27	.....Small-pox.....	10	10	22	42
15	4	7	26	.....Chicken-pox.....	2	1	4	7
72	57	78	207	.....Measles.....	24	27	79	130
38	40	42	120	.....Scarlatina.....	40	46	31	117
2	1	..	3	.....Diphtheria.....	1	..	..	1
43	55	41	139	....Whooping-cough....	155	131	131	417
4	2	..	6	.....Croup.....	3	1	5	9
878	519	279	1676	.....Diarrhoea.....	509	285	147	941
1	1	..	2	.....Dysentery.....	21	12	21	54
..	..	..	..	.....Cholera.....	..	..	..	..
26	23	22	71	.....Erysipelas.....	33	26	40	99
..	..	..	..	....Puerperal Fever....	..	..	..	..
17	8	10	35	.....Insanity.....	54	24	33	111
614	624	842	2180	.Bronchitis and Catarrh..	615	705	943	2263
14	8	13	35	.....Pleurisy.....	41	44	65	150
11	23	13	47	.....Pneumonia.....	..	..	..	..
10	8	4	22	.....Carbuncle.....	..	..	..	..
4313	3452	3495	11260	{ Accidents, and all other Diseases. }	5626	4812	4637	15075
6076	4825	4955	15856	.....TOTAL.....	7134	6124	6158	19416

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD

FALL OF RAIN IN NOVEMBER.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. Reynolds Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Castleton Moor	3.774	..... 14							
Royton	3.485	..... 17							
Penketh	3.106	..... 19							
Bowdon	2.922	..... 23							
Eccles.....	2.818	..... 17							
Old Trafford..	2.770	..... 16							
Height of barometer cistern above sea level			212 ft.	123 ft	170 ft.	118ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			29.918	29.946	29.948	29.933	29.930	29.916	29.927
Highest.....			30.420	30.431	30.384	30.477	29.990	30.530	30.072
Lowest			29.150	29.118	29.034	29.151	28.694	29.152	28.750
Range			1.270	1.313	1.350	1.326	1.296	1.3.8	1.322
Temperature.									
Adopted Mean			45.9	44.9	45.0	45.5	43.6	44.2	43.5
Range for Week			20.3	20.7	20.6	20.6	19.6	25.6	18.2
Daily Range			9.2	10.7	9.9	8.8	9.5	10.3	7.3
Maximum in Shade			57.8	57.0	55.6	56.6	55.0	55.4	54.2
Minimum in Shade			37.5	37.0	35.0	36.0	36.0	29.8	36.0
Temperature of Dew Point			42.0	42.1	41.5	41.4	40.9	41.3	41.0
Hygrometrical condition of the Atmosphere			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)			0.864	0.905	0.874	0.862	0.904	0.882	0.912
Prevailing Winds				ESE	E,SE	E,SE	SE	E,SE	E,SE
Rain .....			....	0.205	0.187	0.175	0.384	0.288	0.392
Ozonometer.									
Moffat .....			....	0.57	....	0.28	....	....	....
Schonbein .....			....	0.43	5.86	0.00	3.70	3.30	....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, DECEMBER 16, 1865. No. 281.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 16th inst., 1,401 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford. In the two preceding weeks the respective numbers were 1,425 and 1,558.

Under Continued Fever there is again a slight decrease—in our former return 104 new cases were recorded—in the present 98—67 of these are referred to as examples of True Typhus. No fewer than 40 of the latter were admitted into the Manchester Workhouse. The Exanthematous Fevers—Small Pox, Measles, and Scarlet Fever are all singularly mild just at present. The three together only contributed 13 cases to our report.

Whooping-Cough, on the other hand, continues very general—no fewer than 36 new cases being returned—the same number as in the previous week. Many of the cases appear to have turned out very severe, as the deaths continue unusually numerous.

In consequence of the continued prevalence of mild and genial weather the Diseases of the Respiratory Organs have not as yet assumed that degree of intensity which so often characterises them at this season of the year.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 288 deaths were registered in the eleven districts of the Association. In the two preceding weeks they were still more numerous. The high death-rate is still in a great measure due to Whooping-Cough and Fever—the former disease carrying off 26 persons—the latter 23. There is a difference, however, in the victims which they select, the mortality from Fever occurring in the great majority of cases among adults—that from Whooping-Cough being almost exclusively confined to young Children.

In London, according to the last return of the Registrar General, the deaths were somewhat below the estimated number.

At the Royal Observatory, Greenwich, the mean temperature of the air in the week was 39.7° ; at the Royal Infirmary it was 41.8° ; at Eccles 39.4° ; at Bowdon 39.3° ; and at Old Trafford 39.1° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, PALL MALL, MANCHESTER.

MANCHESTER AND SALES

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment D

MANCHESTER.															
Area in Statute Acres	Manchester Township 1,645														
Population in 1861	,, ,, 185,050														
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.							
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	ROYAL INFIRMARY.						CHILDREN	
								Workhouse.	In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.
	1	2	3	4	5	6		7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	1	..	..	1	1	1	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	..	..	1	..	..	..	..	..	1	9	2
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Diarrhœa.....	..	..	..	..	..	..	..	..	..	..	..	..	..	7	4
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever.....	a4	..	1	5	..	..	10	40	b6	1	1	c2	..	7	..
Erysipelas .....	..	..	..	1	..	1	2	1	1	..	..	..	1	..	..
Rheumatism .....	..	1	1	..	..	..	2	9	..	5	2	..	4	1	3
Neuralgic Affections .....	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	12	..	10	..	..	1	..	..
Phthisis .....	..	..	1	..	1	..	2	6	..	15	..	3	..	..	1
Insanity .....	..	..	1	..	..	..	1	..	..	..	..	..	1	..	..
Bronchitis, Influenza & Catarrh	5	3	2	6	4	4	24	21	..	35	3	5	7	8	19
Pleurisy and Pneumonia....	1	1	..	..	..	..	2	1	2	1	..	..	..	..	2
Skin Diseases.....	..	..	..	1	..	..	1	9	..	4	..	..	..	2	9
Dyspepsia .....	..	..	..	..	..	..	..	..	..	22	..	..	2	5	8
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not } classified.....	20	..	11	4	3	14	52	62	54	211	5	3	9	42	10
TOTAL	31	5	17	18	8	19	98	162	65	306	11	14	27	81	58

a 1 Typhus. b 4 Typhus and 2 Typhoid. c 1 Typhus and 1 Febricula. d Typhus. e 3 Typhus.

Medical Officers to whom the Association

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. T. J. WEBSTER.

(8) Dr. GEORGE REEF,
- (9) } Mr. THOMAS LEEDS,

(10) } „ W. H. SUTCLIFFE,

(11) } „ GEORGE CLEMENTS,

(12) }
- (13) Mr. H. RUNCO

(14) Dr. WHITEHE

(15) „ J OGDEN

(16) Mr. J. TEALE,

ANITARY ASSOCIATION.

NS OF MANCHESTER AND ADJOINING DISTRICTS.

k ending the 16th day of December, 1865.

SALFORD.				HULME.			CHORL- TON.		ARD- WICK	PENDLETON AND PENDLEBURY.					DEATHS.
1,329 .....				.... 477. ....			... 646. ...		508.	..... 2650.....			Area in Statute Acres.		
70,967. ....				.. 68,209. ...			.. 44,850..		21739	..... 24,448			Population in 1861.		
LAW DISTRICT	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS											
Regent Road.	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work- house.	Total.	Corresponding Week last Year.	DISEASES.	
17	18	19	20	21	22	23	24	25	26	27	28				
..	..	..	..	..	..	..	..	..	..	1	..	4	26	Small-pox .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chicken-pox .....	..
..	1	4	..	..	..	..	..	..	..	..	1	7	17	Measles .....	..
..	..	..	..	..	..	..	..	1	..	..	1	2	5	Scarlatina .....	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	7	..	1	..	..	4	5	2	3	..	36	5	Whooping-cough	1
..	..	..	..	..	..	..	..	..	..	..	..	1	..	Croup .....	..
..	..	4	2	..	..	..	..	2	..	..	2	24	32	Diarrhoea	1
..	..	..	..	..	..	..	..	..	..	..	1	1	3	Dysentery .....	..
3	26	29	..	..	1	..	..	..	..	21	11	98	70	Continued Fever	6
1	1	5	1	..	..	..	..	..	..	..	..	13	6	Erysipelas .....	..
2	3	7	..	..	1	..	..	3	..	4	1	55	101	Rheumatism .....	..
1	..	3	..	..	..	..	..	1	..	..	..	8	19	Neuralgic Affections ..	..
..	..	4	..	..	..	..	1	1	..	..	5	36	31	Constitutional Syphilis	..
1	1	12	..	1	1	..	2	1	..	3	1	50	61	Phthisis	10
..	1	..	..	..	..	1	..	1	..	..	..	6	5	Insanity .....	..
6	1	30	3	9	1	6	5	6	5	17	12	229	244	Bronchitis, Influenza, and Catarrh.....	8
..	..	2	..	..	1	4	..	..	..	..	..	16	13	Pleurisy & Pneumonia.	..
1	2	9	..	..	..	..	..	1	1	1	1	43	69	Skin Disease.....	..
2	..	13	..	1	3	..	2	2	3	5	2	72	56	Dyspepsia .....	..
..	..	..	..	..	..	..	1	1	..	..	..	2	..	Atrophy and Anæmia..	..
7	11	93	3	6	6	1	10	31	4	33	32	698	662	Accidents and diseases not classified.....	35
24	27	202	9	18	14	12	25	56	15	68	70	1401	1426	.... TOTAL	61

ebted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JAMES SHACKLETON,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowler.	Regent-rd. Dis., Mr. Tipler.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	..	1	..	..	..	1	..	..	1	..	1	6
Measles .....	..	..	..	..	..	3	5	..	1	2	2	23	9
Whooping-cough.....	3	2	..	2	1	3	..	2	..	..	..	6	6
Scarlatina	1	..	1	..	..	2	1	..	..	1	..	5	8
Diarrhoea .....	..	1	..	..	1	2	..	..	..	1	..	5	2
Fever	1	..	57	51	53	3	25	1	22	2	1	26	8
Diseases of the Lungs	19	11	8	3	3	12	3	1	4	8	5	77	66
Other causes.....	16	11	14	9	8	13	25	14	11	9	15	145	194
TOTAL NO. OF DEATHS.	40	25	31	15	16	33	40	18	18	24	23	238	299
TOTAL NO. OF BIRTHS.	42	29	14	24	20	30	45	10	26	48	21	309	366

a 2 Inquests. b 5 Typhus and 1 Typhoid. c Typhus. d 1 Typhus and 1 Typhoid. e 2Typhus and 2 Typhoid.
f 4 Inquests. g 3 Inquests.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Sep.	4 Weeks ending 23th Oct.	4 Weeks ending 25th Nov.	TOTAL.	DISEASE.	5 Weeks ending 30th Sep.	4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	TOTAL
18	..	9	27	.....Small-pox.....	10	10	22	42
15	4	7	26	.....Chicken-pox.....	2	1	4	7
72	57	78	207	.....Measles.....	24	27	79	130
38	40	42	120	.....Scarlatina.....	40	46	31	117
2	1	..	3	.....Diphtheria.....	1	..	..	1
43	55	41	139	....Whooping-cough....	155	131	131	417
4	2	..	6	.....Croup.....	3	1	5	9
878	519	279	1676	.....Diarrhoea.....	509	285	147	941
1	1	..	2	.....Dysentery.....	21	12	21	54
..	..	..	..	.....Cholera.....	..	..	40	99
26	23	22	71	.....Erysipelas.....	33	26	..	..
..	..	..	..	....Puerperal Fever....	..	..	..	..
17	8	10	35	.....Insanity.....	54	24	33	111
614	624	942	2180	..Bronchitis and Catarrh..	615	705	943	2263
14	8	13	35	.....Pleurisy.....	41	44	65	150
11	23	13	47	.....Pneumonia.....	..	..	..	..
10	8	4	22	.....Carbuncle.....	..	..	..	..
4313	3452	3495	11260	{ Accidents, and all other Diseases.	5626	4812	4637	15075
6076	4825	4955	15856	.....TOTAL.....	7134	6124	6158	19416

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN NOVEMBER.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L.W. Reynolds Esq.	Castleton Moor, Rev. J.C. BATES.
Inches.	Wet Days.								
Castleton Moor	3.774	..... 14							
Royton	3.485	..... 17							
Penketh	3.106	..... 19							
Bowdon	2.922	..... 23							
Eccles.....	2.818	..... 17							
Old Trafford..	2.770	..... 16							
Height of barometer cistern above sea level			212 ft.	123 ft	170 ft.	118ft.	544 ft.	44 ft.	475ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level			30.607	30.655	30.669	30.651	30.630	30.645	30.656
Highest.....			30.652	30.662	30.604	30.685	30.200	30.766	30.282
Lowest			30.390	30.400	30.364	30.435	29.913	30.512	30.050
Range			0.262	0.262	0.246	0.250	0.287	0.254	0.232
Temperature.									
Adopted Mean			41.8	39.1	39.3	39.4	37.9	38.9	38.6
Range for Week			16.7	19.3	17.6	18.6	21.4	23.7	20.3
Daily Range			9.5	9.3	10.7	9.3	11.0	9.4	11.9
Maximum in Shade			49.7	48.3	46.8	47.5	46.7	47.9	47.0
Minimum in Shade			33.0	29.0	29.2	28.9	25.3	24.2	26.7
Temperature of Dew Point			36.8	35.4	35.1	35.7	34.9	35.6	36.3
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
Degree of Humidity (Saturation—1,000)			0.826	0.872	0.856	0.872	0.886	0.878	0.928
Prevailing Winds				S NE	NW	NW,E	NW	NW,E	NW
Rain				0.000	0.005	0.014	0.000	0.000	0.000
Ozonometer.									
Moffat				0.00	.....	0.71	.....	.....	.....
Schonbein.....				0.00	0.01	0.00	1.82	2.20	.....

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, DECEMBER 23, 1865. No. 282.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 23rd inst., 1,370 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford.

The most unsatisfactory feature in the present return is the increase in the number of new cases of Continued Fever. In the two preceding weeks the number of seizures amounted to 104 and 98; last week they rose to 119. A large proportion of them (no fewer than 80) proved examples of true Typhus; 39 of the latter were admitted into the Manchester Workhouse, 11 into the Chorlton, and 5 into the Salford Workhouse. In these numbers we see how great is the pressure thrown upon the fever wards of those institutions.

Whooping Cough still continues very general, 33 new cases being recorded in the course of the week.

Under Scarlet Fever we observe a considerable increase; in our preceding return only two cases were entered, in the present 11; 6 of them were attended at the Chorlton Workhouse.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 311 deaths were registered in the eleven districts of the Association. In the two preceding weeks the respective numbers were 307 and 288.

Fever still continues its ravages; 27 deaths being ascribed to this cause.

Whooping Cough carried off 19 persons and Diarrhoea 10. a large number if we consider the season of the year.

The weather, generally, was remarkably mild. At Eccles the mean temperature of the air in the week was 44.2° ; at the Royal Infirmary 44.1° ; and at Old Trafford 43.2° .

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,
33, Pall Mall, Manchester.

MANCHESTER AND SALE

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment Du

MANCHESTER.																		
Area in Statute Acres	Manchester Township 1,645																	
Population in 1861	,, ,, 185,050																	
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.										
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN		St. Mary's Hospital.	Clinical Hospital.	City & Guilds
									In-patients.	Out-patients.	District I.	District II.	District III.	St. Mary's Hospital.	Clinical Hospital.			
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15		
Small-pox .....	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	1	..	1	2	..	..	..	..	..	..	..	..	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	1	..	..	..	3	1	5	..	..	..	1	..	..	3	7	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	..	..	..	..	..	..	..	..	..	1	..	..	..	4	5	..
Dysentery .....	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Continued Fever.....	4	a1	b10	..	..	2	17	39	c6	d3	..	e4	f2	4	..	..
Erysipelas .....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Rheumatism .....	..	..	..	..	..	..	..	16	3	9	..	..	3	..	..	..
Neuralgic Affections .....	..	..	..	..	..	..	..	..	2	1	..	..	..	..	2	..
Constitutional Syphilis	1	..	..	..	..	..	i	12	..	9	..	..	..	..	1	..
Phthisis .....	..	..	2	..	..	1	3	8	..	7	2	1	6	1	1	..
Insanity	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	4	8	1	4	2	4	23	22	i	39	4	3	8	7	17	..		
Pleurisy and Pneumonia....	..	..	..	..	1	1	2	..	1	..	2	..	...	..	1	..
Skin Diseases.....	..	..	..	1	..	..	1	10	..	7	..	..	..	..	14	..
Dyspepsia .....	..	..	..	..	..	..	..	15	..	11	..	..	..	1	5	..
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Accidents and diseases not classified.....	14	2	9	5	9	6	45	20	46	215	4	2	8	47	13	..		
TOTAL	25	12	22	11	15	16	101	144	62	303	13	10	27	69	66	1		

a 1 Febricula. b 1 Typhus and 2 Febricula. c 5 Typhus and 1 Typhoid. d 2 Febricula. e 1 Typhus and 3 Febricula.

Medical Officers to whom the Association

(1) Mr. R. M. MANN.
(2) „ J. BROADBENT,
(3) „ EDWARD MEACHAM,
(4) Dr. BRADDON

(5) Mr. OCTAVIUS DEAN,
(6) Dr. LEDWARD,
(7) Mr. T. J. WEBSTER.
(8) Dr. GEORGE REEF,

(9) }
(10) } Mr. THOMAS LEEDS,
(11) } „ W. H. SUTCLIFFE,
(12) } „ GEORGE CLEMENTS,

(13) Mr. H. RUNCOR
(14) Dr. WHITEHEA
(15) „ J OGDEN F
(16) Mr. J. TEALE,

Sanitary Association.

Sanitary Association of Manchester and Adjoining Districts.

ending the 23rd day of December, 1865.

SALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						DEATHS.
1,329				477.....			646...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448				Population in 1861.		
Regent Road.	PUBLIC INSTITUTIONS.			POOR LAW DISTRICTS			Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancoats Dispensary.	Chorlton Union Work-house.	Total.	Corresponding Week last Year.	DISEASES.		
	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's										
7	18	19	20	21	22	23	24	25	26	27	28					
..	..	..	..	..	..	..	..	..	..	..	..	3	19	Small-pox .....	..
..	..	1	..	..	..	..	..	..	..	..	..	1	2	Chicken-pox .....	..
..	..	5	..	..	..	1	1	..	..	..	..	9	15	Measles .....	..
..	..	2	..	..	..	..	..	1	..	..	6	11	4	Scarlatina	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
..	..	3	..	..	..	1	4	3	4	1	..	33	4	Whooping-cough	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
1	..	3	5	..	1	1	..	..	1	..	..	25	17	Diarrhoea	1
..	..	..	..	..	..	..	..	..	..	..	..	1	4	Dysentery	1
2	g7	h9	..	i3	a2	c6	..	..	..	j2	k12	119	54	Continued Fever	13
1	2	2	..	..	..	..	..	1	..	..	..	8	5	Erysipelas .....	..
1	1	5	1	1	2	2	1	4	2	3	2	61	101	Rheumatism .....	..
..	..	..	..	..	..	..	..	..	..	..	..	6	16	Neuralgic Affections ..	..
1	..	3	..	1	..	..	1	..	..	..	2	33	29	Constitutional Syphilis	..
..	..	14	..	..	..	..	1	..	1	2	..	47	70	Phthisis	5
1	3	..	..	..	..	..	..	..	..	..	..	6	8	Insanity .....	..
8	..	26	3	7	10	4	7	5	4	15	13	236	234	Bronchitis, Influenza, and Catarrh.....	3	
1	..	3	..	..	..	..	..	2	..	..	1	13	20	Pleurisy & Pneumonia.	3
..	1	9	..	..	2	..	2	1	..	..	2	51	70	Skin Disease.....	..
..	..	17	..	1	..	1	4	2	3	3	..	68	49	Dyspepsia .....	..
..	..	..	..	..	..	..	..	2	..	..	..	3	..	Atrophy and Anæmia..	..
5	12	78	2	1	4	1	2	31	5	38	42	636	525	Accidents and diseases not classified.....	18	
1	26	180	11	14	21	17	23	52	20	64	80	1370	1246	.... TOTAL	48

typhus and 1 Febricula. g 5 Typhus and 2 Typhoid. h 3 Typhus. i 2 Typhus and 1 Febricula.
us, k 11 Typhus and 1 Typhoid.

obtained for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
(22) Dr. ALEX. WILSON,
(23) Mr. H. M. WILLIAMSON.
(24) „ JOSEPH FOSTER,

(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JOHN A. EATOCK,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bowei.	Regent-rd. Dis., Mr. Lippie.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox .....	..	1	..	..	..	..	..	..	..	..	..	1	5
Measles .....	..	..	2	..	..	1	4	..	1	..	..	8	6
Whooping-cough.....	3	2	..	1	..	3	1	..	1	6	2	19	4
Scarlatina .....	..	1	1	..	1	1	..	..	3	1	..	8	10
Diarrhoea .....	..	1	..	1	..	3	1	1	..	3	..	10	3
Fever	8	2	57	..	2	21	22	..	2	2	1	27	11
Diseases of the Lungs	16	10	6	6	2	3	1	1	5	18	2	70	60
Other causes.....	16	15	28	10	12	8	24	18	14	17	16	163	143
TOTAL NO. OF DEATHS.	43	32	44	18	17	20	33	20	26	47	11	311	242
TOTAL NO. OF BIRTHS.	51	37	24	23	19	24	27	24	21	62	27	339	356

a 4 Inquests. b 6 Typhus and 1 Gastric. c 1 Gastric. d Typhus. e 2 Inquests. f 1 Typhoid. g 5 Inquests.
h 1 Inquest.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Sep.	4 Weeks ending 23th Oct.	4 Weeks ending 25th Nov.	TOTAL.	DISEASE.	5 Weeks ending 30th Sep.	4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	TOTAL
18	..	9	27	..... Small-pox.....	10	10	22	42
15	4	7	26	..... Chicken-pox	2	1	4	7
72	57	78	207	..... Measles	24	27	79	130
38	40	42	120	..... Scarlatina.....	40	46	31	117
2	1	..	3	..... Diphtheria.....	1	..	..	1
43	55	41	139	.... Whooping-cough	155	131	131	417
4	2	..	6	..... Croup.....	3	1	5	9
878	519	279	1676	..... Diarrhoea	509	285	147	941
1	1	..	2	..... Dysentery.....	21	12	21	54
..	..	..	..	..... Cholera .....	..	..	..	..
26	23	22	71	..... Erysipelas.....	33	26	40	99
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
17	8	10	35	..... Insanity	54	24	33	111
614	624	942	2180	. Bronchitis and Catarrh..	615	705	943	2263
14	8	13	35	..... Pleurisy	41	44	65	150
11	23	13	47	..... Pneumonia .....	..	..	..	..
10	8	4	22	..... Carbuncle.....	..	..	..	..
4313	3452	3495	11260	{ Accidents, and all other Diseases. }	5626	4812	4637	15075
6076	4825	4955	15856	..... TOTAL	7134	6124	6158	19416

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN NOVEMBER.			Royal Infirmary, Dr. REED.		Old Trafford, G.V. VERNON, Esq.		Bowdon, J. THOMPSON, Esq.		Eccles, T. MACKERRETH Esq		Royton, J. HEAP, Esq.		Penketh, Warrington. L. W. Reynolds Esq		Castleton Moor, Rev. J. C. BATES.	
Inches.	Wet Days.															
Castleton Moor 3.774	14														
Royton 3.485	17														
Penketh 3.106	19														
Bowdon 2.922	23														
Eccles..... 2.818	17														
Old Trafford.. 2.770	16														
Height of barometer cistern above sea level			212 ft.	123 ft	170 ft.	118 ft.	544 ft.	44 ft.	475 ft.							
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.							
Mean @ 32° F., and reduced to sea level			30.374	30.324	30.345	30.325	30.321	30.312	30.316							
Highest.....			30.566	30.558	30.516	30.597	30.077	30.680	30.200							
Lowest.....			30.032	29.972	29.980	30.037	29.521	30.084	29.650							
Range			0.534	0.586	0.536	0.560	0.556	0.596	0.550							
Temperature.																
Adopted Mean			44.1	43.2	43.0	44.2	42.6	43.6	42.4							
Range for Week			22.0	21.5	19.9	19.4	21.8	21.8	21.0							
Daily Range.....			11.5	9.9	10.0	7.8	8.1	7.3	7.9							
Maximum in Shade			53.7	54.5	53.4	53.9	53.2	53.4	52.0							
Minimum in Shade			31.7	33.0	33.5	34.5	31.4	31.8	31.0							
Temperature of Dew Point			39.9	39.9	39.0	39.8	38.9	39.7	38.4							
Hygrometrical condition of the Atmosphere.			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.							
Degree of Humidity (Saturation—1,000)			0.846	0.882	0.859	0.844	0.875	0.854	0.864							
Prevailing Winds				SE,SW	SW	E,SE	SW	SSE,SW	SW							
Rain				0.000	0.005	0.000	0.020	0.020	0.000							
Ozonometer.																
Moffat				0.43	.....	0.00	.....	.....	.....				
Schonbein.....				0.28	0.14	0.00	0.00	2.40	.....						

HEALTH AND METEOROLOGY OF MANCHESTER

COMMUNICATED TO THE

Manchester and Salford Sanitary Association.

WEEKLY RETURN.

VOL. V.] WEEK ENDING SATURDAY, DECEMBER 30, 1865. No. 283.

DISEASES.—*The extent to which they prevailed in Pauper, Charitable, and Public Institutions of Manchester and Salford.*

In the week terminating on Saturday, the 30th ult., 1,200 new cases of disease and injuries occasioned by accidents were observed in the public practice of Manchester and Salford; in the two preceding weeks the returns were considerably higher. But, though the seizures from sickness were last week less numerous, it does not therefore follow that there was any real improvement in the public health. It must be remembered that the return refers to a holiday week, and at such seasons experience proves that the poorer classes are very unwilling to apply for advice at the Hospitals and Dispensaries. The deaths met with in public practice amounted to 64.

Whooping Cough still continues to gain ground, no fewer than 37 cases being recorded; 10 of these cases were seen among the patients of the Salford Dispensary, and 6 more at St. Mary's Hospital.

The seizures from Fever were considerably less numerous than in the previous week—they did not exceed 66, but a large proportion of them are assigned to malignant Typhus.

Bronchitis and kindred affections of the chest contributed 207 cases to the return, an improvement upon the number entered during the preceding week. Many of these cases, however, are not of so urgent a character as to render it necessary for those who suffer from them to apply for relief during a season of festivity.

There was only 1 case of Small-pox; the patient was admitted into the Manchester Workhouse.

DEATHS.—*The Number Registered in Manchester and Salford, and their Causes.*

Last week 314 deaths were registered in the eleven districts of the Association; in the preceding week there were 311, and in the corresponding one of last year 355.

Whooping Cough and Fever both proved very fatal; the former disease carried off 27 persons, and the latter 25.

The mortality from Fever has, during several weeks, varied but little; thus, in the week ending on the 16th of December, it proved fatal to 26 persons, the following week to 27, and last week to 25.

In the deaths arising from diseases of the lungs we find a decided increase, amounting to 35, the respective numbers in the two last returns being 70 and 105.

JOHN ED. MORGAN, M.D., M.A., Hon. Sec.

COMMITTEE ROOMS,

33, Pall Mall, Manchester.

MANCHESTER AND SALFORD

RETURN FROM PAUPER, CHARITABLE, AND PUBLIC
New Cases of Disease coming under Treatment During the Year 1861

MANCHESTER.																		
Area in Statute Acres	Manchester Township 1,645																	
Population in 1861	" " 185,050																	
DISEASES.	POOR LAW DISTRICTS.							PUBLIC INSTITUTIONS.										
	St. Peter's	St. Andrew's	St. George's	Cathedral	St. Jude's	St. Michael's	Total of Districts.	Workhouse.	ROYAL INFIRMARY.					CHILDREN		St. Mary's Hospital.	Clinical Hospital.	St. George's Hospital.
									In-patients.	Out-patients.	District I.	District II.	District III.					
	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15		
Small-pox .....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	4	..	..	4	..	..	..	..	..	..	..	..	..
Scarlatina .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough .....	..	..	2	..	..	2	4	..	..	..	..	..	1	6	1	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	..	..	..	1	1	..	2	..	..	..	1	..	..	4	2	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
Continued Fever.....	1	..	a2	..	..	b3	6	26	c5	..	b1	a1	e2	2	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Rheumatism .....	..	..	..	1	..	1	2	10	2	11	..	..	1	..	1	..
Neuralgic Affections.....	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..
Constitutional Syphilis .....	..	..	..	..	..	..	..	..	1	8	1	..	..	..	2	..
Phthisis .....	..	..	..	1	1	1	3	6	..	15	..	..	1	1	2	..
Insanity .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis, Influenza & Catarrh	5	3	4	1	2	11	26	24	..	22	1	..	8	4	5	..		
Pleurisy and Pneumonia.....	..	..	..	2	..	..	2	2	1	..	..	..	..	..	1	..
Skin Diseases.....	..	..	..	..	..	..	..	..	..	8	2	..	..	1	6	..
Dyspepsia .....	..	..	..	..	1	..	1	15	..	20	..	..	..	..	4	..
Atrophy and Anæmia. ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Accidents and diseases not classified.....	20	8	7	3	4	17	59	55	45	174	6	13	4	22	5	..		
TOTAL	26	11	15	13	9	35	109	149	56	259	13	14	18	42	29	1		

a 1 Febricula. b 1 Typhus. c Typhus.

Medical Officers to whom the Association are indebted for their assistance

- (1) Mr. R. M. MANN.

(2) „ J. BROADBENT,

(3) „ EDWARD MEACHAM,

(4) Dr. BRADDON
- (5) Mr. OCTAVIUS DEAN,

(6) Dr. LEDWARD,

(7) Mr. T. J. WEBSTER.

(8) Dr. GEORGE REEF,
- (9) Mr. THOMAS LEEDS,

(10) „ W. H. SUTCLIFFE,

(11) „ GEORGE CLEMENTS,

(12) „
- (13) Mr. H. RUNCO

(14) Dr. WHITEHEAD

(15) „ J. OGDEN

(16) Mr. J. TEALE,

NITARY ASSOCIATION.

S OF MANCHESTER AND ADJOINING DISTRICTS.

ending the 30th day of December, 1865.

ALFORD.				HULME.			CHORLTON.		ARDWICK.	PENDLETON AND PENDLEBURY.						
1,329				477.			646. ...		508.	2650.....				Area in Statute Acres.		
70,967.				68,209. ...			44,850..		21739	24,448				Population in 1861.		
PUBLIC INSTITUTIONS.				POOR LAW DISTRICTS												
	Workhouse.	Dispensary.	New Bailey	St. George's.	Medlock.	St. Philip's	Poor Law District.	Dispensary.	Poor Law District.	Ardwick & Ancats Dispensary.	Chorlton Union Workhouse.	Total.	Corresponding Week last Year.	DISEASES.	DEATHS.	
7	18	19	20	21	22	23	24	25	26	27	28					
.	..	..	..	..	..	..	..	..	..	..	..	1	15	Small-pox	1
.	..	..	..	..	..	..	..	..	..	..	..	..	..	Chicken-pox .....	..
.	..	4	..	..	..	..	..	..	..	..	..	8	22	Measles .....	..
.	..	..	..	1	1	..	..	1	..	..	2	6	17	Scarlatina	1
.	..	..	..	..	..	..	..	..	..	..	..	..	..	Diphtheria .....	..
.	2	10	..	1	..	3	..	4	2	2	1	37	6	Whooping-cough	3	
.	..	..	..	..	..	..	..	..	..	..	..	..	..	Croup .....	..
1	..	3	3	..	1	5	..	..	2	..	1	30	21	Diarrhoea	1
.	..	..	..	..	..	..	..	..	..	..	..	2	4	Dysentery .....	..
.	..	11	..	..	..	3	..	..	..	2	4	66	57	Continued Fever	11
.	..	4	..	..	..	..	..	..	..	1	..	6	4	Erysipelas .....	..
.	..	8	1	..	..	..	3	2	1	..	..	47	73	Rheumatism .....	..
2	..	2	..	..	..	..	..	..	..	..	..	7	7	Neuralgic Affections ..	..
1	..	6	..	..	..	..	..	1	..	..	2	22	32	Constitutional Syphilis	1
3	..	13	..	..	..	..	1	1	2	1	3	52	75	Phthisis	9
..	2	..	..	..	..	..	2	..	2	..	..	7	4	Insanity .....	..
7	1	30	2	5	10	5	6	6	3	14	7	198	231	Bronchitis, Influenza, and Catarrh.....	11	
1	..	..	..	1	..	..	..	1	..	..	..	9	20	Pleurisy & Pneumonia.	3
..	6	7	..	..	..	..	2	2	..	..	2	38	75	Skin Disease.....	..
3	..	9	..	..	..	..	4	2	1	3	2	64	78	Dyspepsia .....	..
..	..	..	..	..	..	..	..	1	..	..	..	1	..	Atrophy and Anæmia..	..
8	9	56	3	2	5	2	6	24	8	37	32	592	554	Accidents and diseases not classified.....	23	
26	20	163	9	10	17	18	24	45	21	60	56	1200	1295	.... TOTAL	64

debted for the annexed Returns.

(17) Dr. T. M. JOHNSON,
(18) Mr. M. O. LARMUTH,
(19) „ J. O. BRADBURY,
(20) „ W. B. STOTT,

(21) Mr. JOHN SMITH,
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(25) Mr. JOHN RAYNER,
(26) „ J. V. L. WESTMACOTT,
(27) „ JOHN A. EATOCK,
(28) „ J. WATSON,

Weekly Return of Births and Deaths in Manchester and Salford.

Causes of Death.	Ancoats District, Mr. Royston.	St. George's Dis., Mr. Worthington.	Market-st. Dis., Mr. A. Gardiner.	London-rd. Dis., Dr. Johns.	Deansgate Dis., Mr. Leigh.	Greengate Dis., Mr. Bower.	Regent-rd. Dis., Mr. Tuppel.	Pendleton Dis., Mr. Bowker.	Chorlton-on-M., Mr. Rowley.	Hulme Township, Mr. Sorby.	Ardwick Tnshp., Mr. Hallsworth.	TOTAL.	Corres- ponding week last year.
Small Pox.....	..	1	1	1	..	..	..	1	..	..	..	4	4
Measles	1	1	..	..	1	1	1	..	..	2	..	7	12
Whooping-cough.....	2	..	..	3	2	2	5	2	3	4	4	27	1
Scarlatina	2	..	1	2	..	1	..	2	3	1	..	12	5
Diarrhoea .....	..	..	..	3	..	1	1	..	..	..	..	5	5
Fever	3	1	3	..	3	2	2	2	..	2	2	25	15
Diseases of the Lungs	20	9	12	8	4	9	6	6	5	23	3	105	82
Other causes.....	8	7	25	66	118	112	20	5	10	16	12	129	231
TOTAL NO. OF DEATHS.	36	19	47	23	28	28	35	18	21	48	11	314	355
TOTAL NO. OF BIRTHS.	24	34	19	16	15	31	23	14	21	66	27	290	308

a 7 Typhus and 1 Typhoid. b 2 Inquests. c 1 Typhus and 2 Typhoid. d 1 Inquest. e Typhus.

Monthly Return of New Cases of Disease coming under Treatment

In 11 Charitable Institutions in
St. Marylebone, LONDON. Medical
Officer of Health, John Whitmore, M.D.
Population in 1861, 161,680.

At Pauper, Charitable, and Public
Institutions in MANCHESTER
and SALFORD.
Population in 1861, 390,815.

5 Weeks ending 30th Sep.	4 Weeks ending 23th Oct.	4 Weeks ending 25th Nov.	TOTAL.	DISEASE.	5 Weeks ending 30th Sep.	4 Weeks ending 28th Oct.	4 Weeks ending 25th Nov.	TOTAL
18	..	9	27	.....Small-pox.....	10	10	22	42
15	4	7	26	..... Chicken-pox	2	1	4	7
72	57	78	207	..... Measles	24	27	79	130
38	40	42	120	.....Scarlatina.....	40	46	31	117
2	1	..	3	..... Diphtheria.....	1	..	..	1
43	55	41	139	.... Whooping-cough	155	131	131	417
4	2	..	6	.....Croup.....	3	1	5	9
878	519	279	1676	.....Diarrhoea.....	509	285	147	941
1	1	..	2	.....Dysentery.....	21	12	21	54
..	..	..	..	..... Cholera .....	..	..	..	..
26	23	22	71	.....Erysipelas.....	33	26	40	99
..	..	..	..	.... Puerperal Fever ....	..	..	..	..
17	8	10	35	..... Insanity	54	24	33	111
614	624	942	2180	..Bronchitis and Catarrh..	615	705	943	2263
14	8	13	35	..... Pleurisy	41	44	65	150
11	23	13	47	..... Pneumonia .....	..	..	..	..
10	8	4	22	.....Carbuncle.....	..	..	..	..
4313	3452	3495	11260	{ Accidents, and all other Diseases. }	5626	4812	4637	15075
6076	4825	4955	15856	..... TOTAL	7134	6124	6158	19416

METEOROLOGICAL OBSERVATIONS, TAKEN AT MANCHESTER AND THE NEIGHBOURHOOD.

FALL OF RAIN IN NOVEMBER.			Royal Infirmary, Dr. REED.	Old Trafford, G.V. VERNON, Esq.	Bowdon, J. THOMPSON, Esq.	Eccles, T. MACKERETH Esq.	Royton, J. HEAP, Esq.	Penketh, Warrington. L. W. REYNOLDS Esq.	Castleton Moor, Rev. J. C. BATES.
Inches.	Wet Days.								
Castleton Moor	3.774	.....	14						
Royton	3.485	.....	17						
Penketh	3.106	.....	19						
Bowdon	2.922	.....	23						
Eccles.....	2.818	.....	17						
Old Trafford..	2.770	.....	16						
Height of barometer cistern above sea level			212 ft.	123 ft	170 ft.	118 ft.	544 ft.	44 ft.	475 ft.
Barometer.			INS.	INS.	INS.	INS.	INS.	INS.	INS.
Mean @ 32° F., and reduced to sea level				29.900	29.922		29.892	29.893	
Highest.....				30.260	30.236		29.836	30.364	
Lowest				29.036	28.910		28.522	29.036	
Range				1.224	1.316		1.314	1.328	
Temperature.									
Adopted Mean				40.1	42.0		39.6	41.4	
Range for Week				24.2	18.6		26.4	25.1	
Daily Range.....				15.6	12.8		14.3	12.2	
Maximum in Shade				52.2	51.0		49.6	52.7	
Minimum in Shade				28.0	32.4		23.2	27.6	
Temperature of Dew Point				37.1	38.2		36.7	38.1	
Hygrometrical condition of the Atmosphere.									
Degree of Humidity (Saturation—1,000)			GRS.	GRS.	GRS.	GRS.	GRS.	GRS.	GRS.
				0.897	0.871		0.896	0.904	
Prevailing Winds				SSE	SSW, SW		SW	SSE, SW	
Rain				0.438	0.440		0.720	0.490	
Ozonometer.									
Moffat				2.71	.....		.....	.....	.....
Schonbein.....				2.28	3.57		4.60	4.30	.....